

U. S. DEPARTMENT OF AGRICULTURE.

BUREAU OF ANIMAL INDUSTRY—Bulletin No. 61.

D. E. SALMON, D. V. M., Chief of Bureau.

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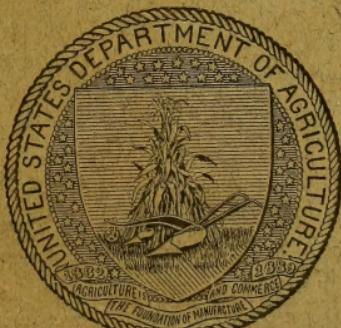
# THE SCORE CARD IN STOCK JUDGING

AT

AGRICULTURAL COLLEGES.

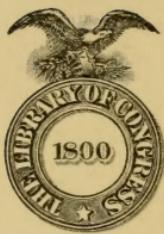
BY

GEORGE M. ROMMEL, B. S. A.,  
*Expert in Animal Husbandry, Bureau of Animal Industry.*



WASHINGTON:  
GOVERNMENT PRINTING OFFICE.

1904.



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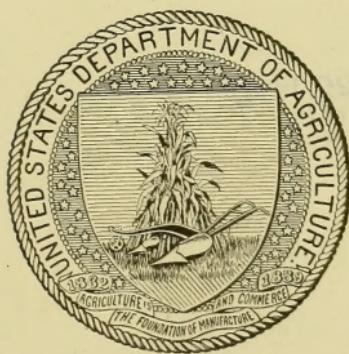
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## LETTER OF TRANSMITTAL.

U. S. DEPARTMENT OF AGRICULTURE,  
BUREAU OF ANIMAL INDUSTRY,  
*Washington, D. C., June 7, 1904.*

SIR: I respectfully submit herewith for publication as a bulletin of this Bureau a manuscript entitled "The Score Card in Stock Judging at Agricultural Colleges," compiled by George M. Rommel, expert in animal husbandry. This material was collected during the past year to combine for ready reference the score-card forms used by instructors in animal husbandry throughout the United States.

Nearly all the college cards for market classes in use at present are included in the following pages. Cards for the several breeds were omitted for various reasons, but chiefly because instruction in the judging of market classes and that of breeds is clearly divided; the latter can very well form the nucleus of another similar bulletin.

The charts illustrating the points of the various animals were designed not so much to serve as universal guides for this purpose as to show the location of the parts described by the terms used in the different score cards.

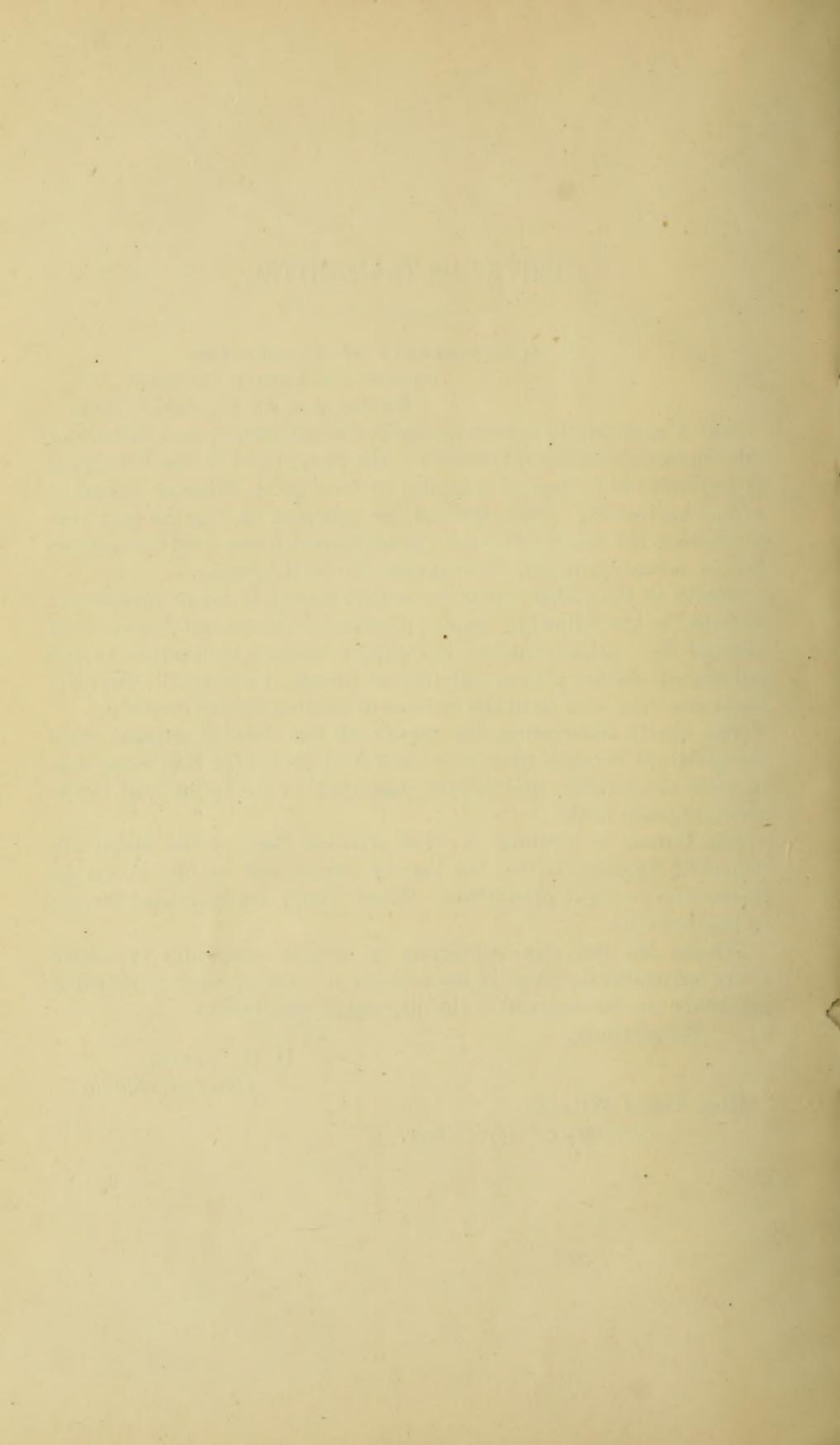
The Bureau is indebted to Prof. Andrew Boss, of the Minnesota School of Agriculture, for the loan of charts used by him in giving instruction in meat production. These charts are submitted for use in this bulletin.

Thanks are also due instructors in animal husbandry in nearly every agricultural college in the country for placing their score cards and other similar material at the disposal of the Bureau.

Respectfully,

D. E. SALMON,  
*Chief of Bureau*

Hon. JAMES WILSON,  
*Secretary of Agriculture.*



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# THE SCORE CARD IN STOCK JUDGING AT AGRICULTURAL COLLEGES.

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Compiled by GEORGE M. ROMMEL, B. S. A.,  
*Expert in Animal Husbandry, Bureau of Animal Industry.*

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## INTRODUCTION.

No branch of agricultural college work has developed more rapidly during recent years nor attracted more general attention than the instruction in animal husbandry—the theoretical and practical selection and management of live stock. The immense value of our animal industry (with an estimated annual output of over \$800,000,000), the important relation between live stock and the maintenance of fertility, not to mention the pleasure that attends the successful management of farm animals, have drawn the attention of agricultural educators to this field of work. Indeed, in some instances, the realization of its importance by the agricultural public has had a most telling effect in bringing about proper recognition by the colleges of a previously neglected branch of agriculture.

Instruction in the principles of stock judging demands a very large share of the teacher's time. The aim of the colleges in this work is not to graduate men who are fully equipped to perform the duties of a judge in a show ring, but to give instruction in fundamental principles on which the student, as years give experience, can build an accurate and extensive knowledge of animal form.

The place of the score card in this scheme is important. As an aid to the judge in the show ring, its use is practically obsolete, except in the case of poultry. It is very easy for a competent judge to "score" two animals by the card and reach results directly opposite to what he would have done had the ring been judged by the show-yard system. When thirty or forty animals confront him, no judge would now think of using a score card. However, to learn the cardinal points of form and action and to develop systematic methods, there is no more convenient or expeditious manual than a concise and accurate card.

The first essential in such instruction is to lead the beginner to see correctly—to know what faults or merits each point of the animal presents to the eye or touch. For example, the accepted standards demand that a horse shall have a lean, straight head, of moderate length, with neat, smartly carried ears of moderate size; a broad, full forehead; large, prominent, intelligent, clear eyes; and a fine muzzle, with large nostrils and firm, even lips. It is necessary that the student learn what is therefore an unwritten part of such work.

Following this first step the student learns the comparative value of the different points. For example, he is taught that it is more important, commercially, that a horse shall have a wide, deep, straight, clean hock than a straight, clean head; and he is shown that one of these points has a value of eight or ten on the card, while the other is given one or two. He learns that if a fat steer is thick and even in the covering of the back, he can overlook a little sparseness of flesh on the lower rib or a slight lack of development of either flank. In short, he learns what parts in the equine anatomy are most essential to the actual usefulness of a horse, and what parts of a meat-bearing animal bring the highest prices on the block.

When this step is taken many of the colleges give their students work that is little different from that of the show ring. Three or four animals are placed before the student and he is required to place them according to individual merit, writing his reasons on blanks provided for the purpose. No score cards are used, but the student is held as closely as possible to the use of score-card terms. When this stage is reached successfully the cards are dispensed with and the student is supposed to know what is required in the ideal animal. Here the training of the judgment begins, for which college work is really only the preparation. In some cases the score cards are eliminated gradually by requiring the student to assign his reasons point by point before he assigns general reasons for his decisions. This has an advantage in that it is made difficult to overlook any essential features.

The score card, therefore, is only for instruction in fundamentals, and, while in itself it is impracticable for use in the show yard, these fundamentals form the basis for all competent judging.

#### FORMS OF SCORE CARDS.

The forms of cards used by different instructors naturally vary considerably. Some institutions, for example, use but one card for both draft and light horses. The description is practically the same for both types, and differences are noted in the text. The different standards are provided for by two columns of "points." This system is seen in the cards for horses used by the New Hampshire College,

Cornell University, the North Carolina College, and the Ohio State University, and in the cards for sheep used by the New Hampshire and North Carolina colleges, Purdue University, and the Utah Agricultural College. Its advantages are that it permits the student to get a clear idea of the essentials of each type by comparison, and gives him an idea of animal form in the abstract. Its disadvantages are that a sufficient amount of explanation of differences is not possible, and there is apt to be confusion of types. The more commonly accepted system is a separate card for each type, no matter how close the resemblance.

Generally, the score cards have blanks for the date, name of student, and designation of the animal. In some, space is provided for the age, name of owner, sex, etc.

Several colleges have adopted the plan of numbering the points of the card consecutively. These numbers refer to a blank on which spaces are provided for the score by the student and the instructor. The principal advantage of the blank is that it enables the student to make notes of deficient points.

In some institutions, the cards for each class of animals are printed on the inside covers of a stiff cardboard folder, into which are inserted a number of these blanks. The student thus has his guide and notebook under one cover, and also has the advantage of having a permanent form of card. The University of Tennessee uses a stiff leather-bound folder. On one side is a pocket in which the score cards are placed, and a slot is cut into the other cover into which is slipped the cardboard back of a pad of blanks, the book thus holding the score cards for each class of stock and also the notebook for the class work. It has the advantage over other forms in that one book only is necessary.

Several minor changes have been made in the wording and punctuation of the various cards for the sake of uniformity. Values and definitions, however, are exactly as furnished by the colleges in all cases.

Acknowledgments are due the instructors who supplied these cards for the courtesy.

The score cards now in use follow.

## HORSES.

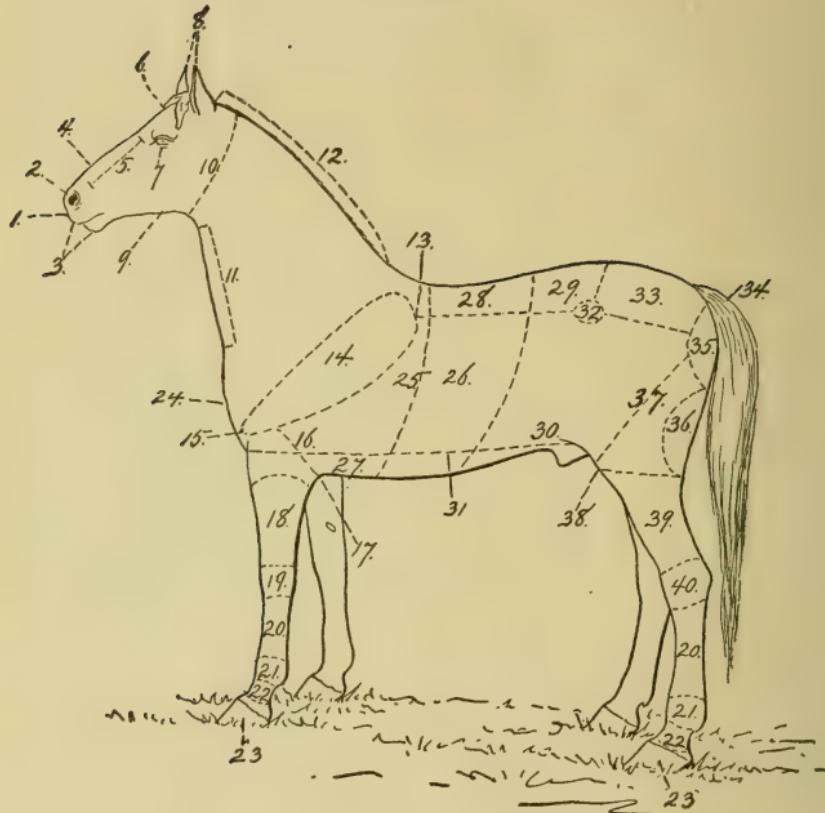


FIG. 1.—Points of the horse.

|  |                           |                      |  |
|--|---------------------------|----------------------|--|
| 1. Muzzle.                               | 11. Windpipe.             | 22. Pasterns.        | 33. Croup, or rump.                        |
| 2. Nostril.                              | 12. Crest.                | 23. Feet.            | 34. Tail.                                  |
| 3. Lips.                                 | 13. Withers.              | 24. Breast.          | 35. Buttock.                               |
| 4. Nose.                                 | 14. Shoulder.             | 25. Girth.           | 36. Quarter.                               |
| 5. Face.                                 | 15. Point of shoulder.    | 26. Barrel, or ribs. | 37. Thigh.                                 |
| 6. Forehead.                             | 16. Arm.                  | 27. Fore flank.      | 38. Stifle joint.                          |
| 7. Eye.                                  | 17. Elbow or elbow joint. | 28. Back.            | 39. Gaskin, lower thigh<br>stifle, or leg. |
| 8. Ears.                                 | 18. Forearm.              | 29. Loin.            | 40. Hock.                                  |
| 9. Angle of lower jaw.                   | 19. Knee.                 | 30. Hind flank.      |  |
| 10. Throatlatch, throat,<br>or throttle. | 20. Cannons.              | 31. Under line.      |  |
|  | 21. Fetlocks.             | 32. Hip.             |  |

## New Hampshire College of Agriculture and the Mechanic Arts.

Same as Cornell card (see below) for horses, with the following exceptions: Under neck, the clause beginning "depth of insertion," etc., is omitted; under pasterns, read "6 to 7 inches;" for horses for speed, 8 points are allowed for fore feet and 6 for action.

## Cornell University.

|  | Scale of points. | For force. |            |            | For speed. |            |            |
|--|------------------|------------|------------|------------|------------|------------|------------|
|  |                  | Standard.  | Student's. | Corrected. | Standard.  | Student's. | Corrected. |
| A. General appearance:   |                  |            |            |            |            |            |            |
| Height, estimated — hands; actual — hands.   |                  |            |            |            | 8          |            |            |
| Weight, estimated — pounds; actual — pounds.   | 8                |            |            |            |            |            |            |
| Form, for force, low, massive; for speed, high, lithe  | 6                |            |            |            | 2          |            |            |
| Quality, bone flat; tendons lean; skin and hair fine   | 8                |            |            |            | 10         |            |            |
| Action, step smooth, quick, long; trot rapid, straight, regular  | 4                |            |            |            | 8          |            |            |
| Attitude, members vertical   | 5                |            |            |            | 5          |            |            |
| Temperament, lively, pleasant  | 4                |            |            |            | 6          |            |            |
| B. Head and neck:  |                  |            |            |            |            |            |            |
| Head, lean; length two-fifths height of withers; width of forehead more than one-third length of head; depth of head one-half its length; for S., smaller, carried higher, more horizontal               | 1                |            |            |            | 2          |            |            |
| Muzzle, fine; nostrils large; lips thin  | 1                |            |            |            | 1          |            |            |
| Eyes, full, bright, intelligent  | 1                |            |            |            | 1          |            |            |
| Ears, short, clean, fine, directed forward, wide apart   | 1                |            |            |            | 1          |            |            |
| Neck, pyramidal, muscled; throat clean, fine; windpipe large; depth of insertion at shoulder equals length of underline, 2 to 4 inches shorter than head; for F., neck shorter, thicker, more horizontal | 1                |            |            |            | 2          |            |            |
| C. Fore quarters:  |                  |            |            |            |            |            |            |
| Shoulders, long, extending into back; point of shoulder to point of withers, equals length of head; for F., shorter more upright   | 3                |            |            |            | 2          |            |            |
| Arms, relatively short, 12 to 13 inches; for F., more horizontal   | 1                |            |            |            | 1          |            |            |
| Forearms, vertical, long, 14 to 15 inches wide; for F., shorter, more heavily muscled  | 3                |            |            |            | 3          |            |            |
| Knees, clean cut, wide, deep, 2 inches, strongly supported   | 2                |            |            |            | 2          |            |            |
| Cannons, vertical, short, 9 to 10 inches, lean, wide; tendons well detached; for S., longer  | 2                |            |            |            | 2          |            |            |
| Fetlocks, wide, thick, clean   | 1                |            |            |            | 1          |            |            |
| Pasterns, fetlock to ground, 7 to 8 inches; for S., long, sloping; for F., short, more upright   | 1                |            |            |            | 1          |            |            |
| Feet, round, even size; horn dark colored, dense; sole concave; bars strong; frog large, elastic; heel vertical, one-half length of toe  | 6                |            |            |            | 6          |            |            |
| D. Body:   |                  |            |            |            |            |            |            |
| Chest in general, high, wide, long; more than half height of horse; for F., girth larger   | 6                |            |            |            | 4          |            |            |
| Withers, clearly defined for S.  | 0                |            |            |            | 1          |            |            |
| Breast, for S., high, projecting; for F., broad, muscular  | 2                |            |            |            | 1          |            |            |
| Ribs, long, round curvature, wide apart  | 2                |            |            |            | 1          |            |            |
| Back, straight, short, muscular; shoulders to haunch equals length of head; for S., longer   | 3                |            |            |            | 1          |            |            |
| Loin, wide, short, thick   | 2                |            |            |            | 1          |            |            |
| Flank, narrow, low   | 1                |            |            |            | 1          |            |            |
| E. Hind quarters:  |                  |            |            |            |            |            |            |
| Croup, wide, long, muscular, 2 to 4 inches shorter than head; for S., horizontal; for F., shorter, more oblique  | 5                |            |            |            | 5          |            |            |
| Tail, long, full, fine, set and carried high   | 1                |            |            |            | 1          |            |            |
| Thighs, for S., long, 15 to 16 inches, upright; stifle deviated outward; for F., shorter, more horizontal, muscular  | 4                |            |            |            | 6          |            |            |
| Buttocks, heavily muscled, well descended  | 2                |            |            |            | 1          |            |            |
| Legs, for S., long, 14 to 15 inches, upright; for F., shorter, more horizontal, heavily muscled  | 3                |            |            |            | 3          |            |            |
| Hocks, clean cut, large, straight, 3 to 3½ inches deep; for F., wider  | 4                |            |            |            | 4          |            |            |
| Cannons, 11 to 12 inches, otherwise as above   | 2                |            |            |            | 2          |            |            |
| Fetlocks, as above   | 1                |            |            |            | 1          |            |            |
| Pasterns, as above   | 1                |            |            |            | 1          |            |            |
| Feet, compared with above, more oval, more concave; heels higher, more separated; walls more vertical  | 2                |            |            |            | 2          |            |            |
| Total.....   |                  |            |            |            |            |            |            |

## North Carolina College of Agriculture and Mechanic Arts.

Same as Cornell card (see above) for horses, with the following exceptions: Under pasterns, read "6 to 7 inches;" under thighs, read "15 to 17 inches;" for horses for speed, 1 point is allowed for neck, 2 for arm, 8 for fore feet, and 6 for action.

The College of Agriculture and Domestic Science, Ohio State University.

## Scale of points.

|   | Standard. | For force. |            | For speed. |            |
|---|-----------|------------|------------|------------|------------|
|   |           | Student's. | Corrected. | Standard.  | Student's. |
| <b>A. General appearance:</b>   |           |            |            |            |            |
| Height, estimated — hands; actual — hands .....   |           |            |            | 8          |            |
| Weight, estimated — pounds; actual — pounds .....   |           |            |            | 8          |            |
| Form, for force, low, massive; for speed, high, lithie .....  | 6         |            |            | 2          |            |
| Quality, bone flat; tendons lean; skin and hair fine .....  | 8         |            |            | 10         |            |
| Action, step smooth, quick, long; trot rapid, straight, regular .....   | 10        |            |            | 15         |            |
| Attitude, members vertical .....  | 5         |            |            | 5          |            |
| Temperament, lively, pleasant .....   | 3         |            |            | 5          |            |
| <b>B. Head and neck:</b>  |           |            |            |            |            |
| Head, lean; length two-fifths height of withers; width of forehead more than one-third length of head; depth of head one-half its length; for S., smaller, carried higher, more horizontal .....                | 2         |            |            | 3          |            |
| Muzzle, fine; nostrils large; lips thin .....   | 1         |            |            | 1          |            |
| Eyes, full, bright, intelligent .....   | 1         |            |            | 2          |            |
| Ears, short, clean, fine, directed forward, wide apart .....  | 1         |            |            | 1          |            |
| Neck, pyramidal, muscled; throat clean, fine; windpipe large; depth of insertion at shoulder equals length of underline, 2 to 4 inches shorter than head; for F., neck, shorter, thicker, more horizontal ..... | 2         |            |            | 3          |            |
| <b>C. Fore quarters:</b>  |           |            |            |            |            |
| Shoulders, long, extending into back; point of shoulder to point of withers equals length of head; for F., shorter, more upright .....  | 3         |            |            | 2          |            |
| Arms, relatively short, 12 to 13 inches; for F., more horizontal .....  | 1         |            |            | 1          |            |
| Forearms, vertical, long, 14 to 15 inches, wide; for F., shorter, more heavily muscled .....  | 3         |            |            | 2          |            |
| Knees, clean cut, wide, deep, 2 inches, strongly supported .....  | 1         |            |            | 1          |            |
| Cannons, vertical, short, 9 to 10 inches, lean, wide; tendons well attached; for S., longer .....   | 2         |            |            | 2          |            |
| Fetlocks, wide, thick, clean .....  | 1         |            |            | 1          |            |
| Pasterns, fetlock to ground, 6 to 7 inches; for S., long, sloping; for F., short, more upright .....  | 1         |            |            | 1          |            |
| Feet, round, even size; horn dark colored, dense; sole concave; bars strong; frog large, elastic; heel vertical one-half length of toe .....  | 5         |            |            | 6          |            |
| <b>D. Body:</b>   |           |            |            |            |            |
| Chest in general, high, wide, long; more than half height of horse; for F., girth larger .....  | 5         |            |            | 4          |            |
| Withers, clearly defined for S .....  | 0         |            |            | 1          |            |
| Breast, for S., high, projecting; for F., broad, muscular .....   | 2         |            |            | 1          |            |
| Ribs, long; round curvature, wide apart .....   | 2         |            |            | 1          |            |
| Back, straight, short, muscular; shoulders to haunch equals length of head; for S., longer .....  | 3         |            |            | 1          |            |
| Loin, wide, short, thick .....  | 2         |            |            | 1          |            |
| Flank, narrow, low .....  | 1         |            |            | 1          |            |
| <b>E. Hind quarters:</b>  |           |            |            |            |            |
| Croup, wide, long, muscular, 2 to 4 inches shorter than head; for S., horizontal; for F., shorter, more oblique .....   | 4         |            |            | 4          |            |
| Tail, set and carried high, long, full, fine .....  | 1         |            |            | 1          |            |
| Thighs, for S., long, 15 to 16 inches, upright; stifle deviated outward; for F., shorter, more horizontal, muscular .....   | 3         |            |            | 3          |            |
| Buttocks, heavily muscled, well descended .....   | 2         |            |            | 1          |            |
| Legs, for S., long, 14 to 15 inches, upright; for F., shorter, more horizontal, heavily muscled .....   | 2         |            |            | 1          |            |
| Hocks, clean cut, large, straight, 3 to 3½ inches deep; for F., wider .....   | 4         |            |            | 4          |            |
| Cannons, 11 to 12 inches, otherwise as above .....  | 1         |            |            | 1          |            |
| Fetlocks, as above .....  | 1         |            |            | 1          |            |
| Pasterns, as above .....  | 1         |            |            | 1          |            |
| Feet, compared with above, more oval, more concave; heels higher, more separated; walls more vertical .....   | 2         |            |            | 2          |            |
| Total .....   |           |            |            |            |            |

## LIGHT HORSES.

College of Agriculture of the University of Illinois.

| Scale of points.   | Perfect score. | Student's score. | Corrected. |
|--|----------------|------------------|------------|
| Age, estimated, —; actual, —   |                |                  |            |
| General appearance—13 points:  |                |                  |            |
| 1. Weight, estimated — pounds; actual, — pounds  | 2              |                  |            |
| 2. Height, estimated — hands; actual, — hands  | 4              |                  |            |
| 3. Form, type, —; symmetrical, smooth, stylish   |                |                  |            |
| 4. Quality, bone clean, firm, indicating sufficient substance; tendons defined; hair and skin fine   | 4              |                  |            |
| 5. Temperament, active; disposition good   | 3              |                  |            |
| Head and neck—7 points:  |                |                  |            |
| 6. Head, lean, straight  | 1              |                  |            |
| 7. Muzzle, fine; nostril large; lips thin, even; teeth sound   | 1              |                  |            |
| 8. Eyes, large, full, bright, clear  | 1              |                  |            |
| 9. Forehead, broad, full   | 1              |                  |            |
| 10. Ears, size medium; pointed; well carried, not far apart  | 1              |                  |            |
| 11. Neck, well muscled; crest high; throatlatch fine; windpipe large   | 2              |                  |            |
| Fore quarters—23 points:   |                |                  |            |
| 12. Shoulder, long, smooth with muscle, oblique, extending into back, well muscled at withers  | 3              |                  |            |
| 13. Arm, short, thrown forward   | 1              |                  |            |
| 14. Forearm, well muscled, long, wide  | 2              |                  |            |
| 15. Knees, clean, wide, straight, deep, strongly supported   | 2              |                  |            |
| 16. Cannons, short, wide; sinews, large, set back  | 2              |                  |            |
| 17. Fetlocks, wide, straight   | 1              |                  |            |
| 18. Pasterns, strong, long, angle with ground 45 degrees   | 2              |                  |            |
| 19. Feet, medium, even size; straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high   | 6              |                  |            |
| 20. Legs   | 4              |                  |            |
| Body—9 points:   |                |                  |            |
| 21. Chest, deep, low; girth large  | 2              |                  |            |
| 22. Ribs, long, well sprung, close   | 2              |                  |            |
| 23. Back, straight, short, broad, well muscled   | 2              |                  |            |
| 24. Loins, wide, short, thick  | 2              |                  |            |
| 25. Underline, long; flank let down  | 1              |                  |            |
| Hind quarters—30 points:   |                |                  |            |
| 26. Hips, smooth, wide, level  | 2              |                  |            |
| 27. Croup, long, wide, muscular  | 2              |                  |            |
| 28. Tail, attached high, well carried  | 2              |                  |            |
| 29. Thighs, long, muscular, spread, open angled  | 2              |                  |            |
| 30. Quarters, heavily muscled, deep  | 2              |                  |            |
| 31. Gaskins (or lower thighs), long, wide, muscular  | 2              |                  |            |
| 32. Hocks, clearly defined, wide, straight   | 5              |                  |            |
| 33. Cannons, short, wide; sinews large, set back   | 2              |                  |            |
| 34. Fetlocks, wide, straight   | 1              |                  |            |
| 35. Pasterns, strong, sloping  | 2              |                  |            |
| 36. Feet, size medium, even; straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high   | 4              |                  |            |
| 37. Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle, and a perpendicular line from the point of the buttock should run parallel with the line of the cannon | 4              |                  |            |
| 38. Action, step smooth, long, active; trot rapid, straight, regular, high   | 18             |                  |            |
| Total  | 100            |                  |            |

## Iowa State College of Agriculture and the Mechanic Arts.

|   | Scale of points for gelding. | Perfect score. |
|---|------------------------------|----------------|
| 1. Age —  |                              |                |
| General appearance:   |                              |                |
| 2. Weight, —  |                              |                |
| 3. Height —   |                              |                |
| 4. Form, symmetrical, smooth, stylish   |                              | 4              |
| 5. Quality, bone clean, fine, yet indicating sufficient substance; tendons defined; hair and skin fine  |                              | 4              |
| 6. Temperament, active; disposition good.   |                              | 4              |
| Head and neck:  |                              |                |
| 7. Head, lean, straight   |                              | 1              |
| 8. Muzzle, fine; nostrils large; lips thin, even  |                              | 1              |
| 9. Eyes, full, bright, clear, large   |                              | 1              |
| 10. Forehead, broad, full   |                              | 1              |
| 11. Ears, size medium; pointed, well carried, not far apart   |                              | 1              |
| 12. Neck, muscled; crest high; throatlatch fine; windpipe large.  |                              | 1              |
| Fore quarters:  |                              |                |
| 13. Shoulders, long, smooth with muscle, oblique, extending into back, muscled at withers   |                              | 3              |
| 14. Arm, short, thrown forward  |                              | 1              |
| 15. Forearm, muscled, long, wide  |                              | 2              |
| 16. Knees, clean, wide, straight, deep, strongly supported  |                              | 2              |
| 17. Cannons, short, wide; sinews large, set back  |                              | 2              |
| 18. Fetlocks, wide, straight  |                              | 1              |
| 19. Pasterns, strong, angle with ground 45 degrees  |                              | 3              |
| 20. Feet, size medium; even, straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high  |                              | 6              |
| 21. Legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side, a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof  |                              | 4              |
| Body:   |                              |                |
| 22. Chest, deep, low; girth large   |                              | 2              |
| 23. Ribs, long, sprung, close   |                              | 2              |
| 24. Back, straight, short, broad, muscled   |                              | 2              |
| 25. Loin, wide, short, thick  |                              | 2              |
| 26. Underline, long; flank let down   |                              | 1              |
| Hind quarters:  |                              |                |
| 27. Hips, smooth, wide, level   |                              | 2              |
| 28. Croup, long, wide, muscular   |                              | 2              |
| 29. Tail, attached high, well carried   |                              | 1              |
| 30. Thighs, long, muscular, spread, open angled   |                              | 2              |
| 31. Quarters, heavily muscled, deep   |                              | 2              |
| 32. Gaskins (or lower thighs), long, wide, muscular   |                              | 2              |
| 33. Hocks, clearly defined, wide, straight  |                              | 5              |
| 34. Cannons, short, wide; sinews large, set back  |                              | 2              |
| 35. Fetlocks, wide, straight  |                              | 1              |
| 36. Pasterns, strong, sloping   |                              | 2              |
| 37. Feet, size medium, even; straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high  |                              | 4              |
| 38. Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon |                              | 4              |
| Action:   |                              |                |
| 39. Walk, elastic, quick, balanced  |                              | 5              |
| 40. Trot, rapid, straight, regular, high  |                              | 15             |
| Total   |                              | 100            |

## Kansas State Agricultural College.

Same as Kentucky card for light horses. (See p. 15.)

## Agricultural and Mechanical College of Kentucky.

| Scale of points for gelding.  | Perfect score. | Student's score. |
|---|----------------|------------------|
| <b>General appearance:</b>  |                |                  |
| Form, symmetrical, smooth, stylish .....  | 4              |                  |
| Quality, bone clean, firm, indicating sufficient substance; tendons defined; hair and skin fine .....   | 4              |                  |
| Temperament, active, disposition kind .....   | 4              |                  |
| <b>Head and neck:</b>   |                |                  |
| Head, lean, straight .....  | 1              |                  |
| Muzzle, fine; nostrils large; lips thin, even; teeth sound .....  | 1              |                  |
| Eyes, full, bright, clear, large .....  | 1              |                  |
| Forehead, broad, full .....   | 1              |                  |
| Ears, size medium, pointed, well carried, not far apart .....   | 1              |                  |
| Neck, muscled; crest high; throatlatch fine; windpipe large .....   | 1              |                  |
| <b>Fore quarters:</b>   |                |                  |
| Shoulders, long, smooth with muscle, oblique, extending into back .....   | 2              |                  |
| Arms, short, thrown forward .....   | 1              |                  |
| Forearms, muscled, long, wide .....   | 2              |                  |
| Knees, clean, wide, straight, deep, strongly supported .....  | 2              |                  |
| Cannons, short, wide; sinews large, set back .....  | 2              |                  |
| Fetlocks, wide, straight .....  | 1              |                  |
| Pasterns, strong, angle with ground 45 degrees .....  | 3              |                  |
| Feet, size medium, even, straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide .....  | 6              |                  |
| Legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side, a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof .....  | 4              |                  |
| <b>Body:</b>  |                |                  |
| Withers, muscled, well finished at top .....  | 1              |                  |
| Chest, deep, low; girth large .....   | 2              |                  |
| Ribs, long, sprung, close .....   | 2              |                  |
| Back, straight, short, broad, muscled .....   | 2              |                  |
| Loin, wide, short, thick .....  | 2              |                  |
| Underline, long; flank let down .....   | 1              |                  |
| <b>Hind quarters:</b>   |                |                  |
| H'ps, smooth, wide, level .....   | 2              |                  |
| Croup, long, wide, muscular .....   | 2              |                  |
| Tail, attached high, well carried .....   | 1              |                  |
| Thighs, long, muscular, spread, open angled .....   | 2              |                  |
| Quarters, heavily muscled, deep .....   | 2              |                  |
| Gaskins (or lower thighs), long, wide, muscular .....   | 2              |                  |
| Hocks, clearly defined, wide, straight .....  | 5              |                  |
| Cannons, short, wide; sinews large, set back .....  | 2              |                  |
| Fetlocks, wide, straight .....  | 1              |                  |
| Pasterns, strong, sloping .....   | 2              |                  |
| Feet, size medium, even; straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high .....  | 4              |                  |
| Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon ..... | 4              |                  |
| <b>Action:</b>  |                |                  |
| Walk, elastic, quick, balanced .....  | 5              |                  |
| Trot, rapid, straight, regular, high .....  | 15             |                  |
| <b>Total.</b> .....   | 100            |                  |

## Maryland Agricultural College.

| Scale of points, ————— (sex.)   | Perfect score. | Student's score. | Corrected. |
|---|----------------|------------------|------------|
| General characters:   |                |                  |            |
| Age, student's estimate, ——; corrected, ——  | 1              |                  |            |
| Height, estimated, —— hands; actual, —— hands                                       | 2              |                  |            |
| Weight, estimated, —— pounds; actual, —— pounds                                     | 1              |                  |            |
| Form, type, ——; symmetrical, smooth, stylish  | 2              |                  |            |
| Quality, bone clean; tendons defined; hair and skin fine                            | 4              |                  |            |
| Temperament, energetic; disposition good  | 8              |                  |            |
|   | 18             |                  |            |
| Head and neck:  |                |                  |            |
| Head, lean, straight, shapely   | 1              |                  |            |
| Muzzle, fine; nostril large; lips thin  | 1              |                  |            |
| Eyes, full, large, bright, clear  | 1              |                  |            |
| Forehead, broad, full, flat   | 1              |                  |            |
| Ears, size medium, pointed, well carried  | 1              |                  |            |
| Neck, muscled, crest high; windpipe large; throatlatch fine                         | 1              |                  |            |
|   | 6              |                  |            |
| Body:   |                |                  |            |
| Withers, muscled  | 1              |                  |            |
| Chest, deep, low; girth large   | 2              |                  |            |
| Ribs, long, well sprung, close  | 1              |                  |            |
| Back, straight, short, broad, muscled   | 1              |                  |            |
| Loins, wide, short, thick   | 1              |                  |            |
| Underline, long; flank low  | 1              |                  |            |
|   | 7              |                  |            |
| Extremities:  |                |                  |            |
| Shoulder, long, smooth, oblique, extending into back                                | 3              |                  |            |
| Arm, short, thrown back   | 1              |                  |            |
| Forearm, muscled, long, wide  | 1              |                  |            |
| Knees, clean, wide, straight, deep, strongly supported                              | 2              |                  |            |
| Hips, smooth, wide, level   | 2              |                  |            |
| Croup, long, wide, muscular, level  | 2              |                  |            |
| Thighs, long, muscular, spread, open angled   | 2              |                  |            |
| Quarters, heavily muscled, deep   | 2              |                  |            |
| Gaskins, long, wide, muscular   | 1              |                  |            |
| Hocks, clearly defined, wide, straight  | 6              |                  |            |
| Cannon, short, wide; sinews large, set back, flat                                   | 2              |                  |            |
| Fetlocks, wide, straight  | 2              |                  |            |
| Pasterns, strong, sloping, medium   | 4              |                  |            |
| Fore feet, size medium, even; heel wide, high; frog good; bars strong; sole concave | 8              |                  |            |
| Hind feet, size large, even; heels wide; frogs large                                | 6              |                  |            |
|   | 44             |                  |            |
| Action, walk smooth, clean, active; trot rapid, straight, even, clean, long, stride | 25             |                  |            |
| Total score   | 100            |                  |            |
| Estimated market value  |                |                  |            |

## Massachusetts Agricultural College.

| Scale of points.  | Perfect score. | Points deficient. |            |
|---|----------------|-------------------|------------|
|   |                | Student's score.  | Corrected. |
| A. Age —  |                |                   |            |
| B. General appearance:  |                |                   |            |
| Weight, estimated pounds; actual — pounds   |                |                   |            |
| Height, 16 hands; estimated — hands; actual — hands   | 2              |                   |            |
| Form, type, —; symmetrical, smooth, stylish   | 4              |                   |            |
| Quality, bone clean, firm; tendon defined; hair and skin fine   | 4              |                   |            |
| Action, step smooth, long, active; trot rapid, straight, regular                                      | 20             |                   |            |
| Temperament, active; disposition good   | 3              |                   |            |
|   | 33             |                   |            |
| C. Head and neck:   |                |                   |            |
| Head, lean, straight  | 1              |                   |            |
| Muzzle, fine; nostril large; lips thin, even; teeth sound   | 1              |                   |            |
| Eyes, full, bright, clear, large  | 1              |                   |            |
| Forehead, broad, full   | 1              |                   |            |
| Ears, size medium, pointed, well carried  | 1              |                   |            |
| Neck, muscled; crest high; throatlatch fine; windpipe large   | 2              |                   |            |
|   | 7              |                   |            |
| D. Fore quarters:   |                |                   |            |
| Shoulder, long, smooth, oblique, extending into back  | 3              |                   |            |
| Arm, short, thrown forward  | 1              |                   |            |
| Forearm, muscled, long, wide  | 2              |                   |            |
| Knees, clean, wide, straight, deep, strongly supported  | 2              |                   |            |
| Cannons, short, wide; sinews large, set back  | 2              |                   |            |
| Fetlocks, wide, straight  | 1              |                   |            |
| Pasterns, strong, angle with ground 45 degrees  | 2              |                   |            |
| Feet, size medium, even; horn dense; frog large; bars strong; sole concave; heel wide, high           | 6              |                   |            |
|   | 19             |                   |            |
| E. Body:  |                |                   |            |
| Withers, muscled  | 1              |                   |            |
| Chest, deep, low; girth large   | 2              |                   |            |
| Ribs, long, sprung, close   | 2              |                   |            |
| Back, straight, short, broad, muscled   | 2              |                   |            |
| Loins, wide, short, thick   | 2              |                   |            |
| Underline, long flank let down  | 1              |                   |            |
|   | 10             |                   |            |
| F. Hind quarters:   |                |                   |            |
| Hips, smooth, wide, level   | 2              |                   |            |
| Croup, long, wide, muscular   | 2              |                   |            |
| Tail, attached high, well carried   | 1              |                   |            |
| Thighs, long, muscular, spread, open angled   | 2              |                   |            |
| Quarters, heavily muscled, deep   | 3              |                   |            |
| Gaskins (or lower thighs), long, wide, muscular   | 2              |                   |            |
| Hocks, clearly defined, wide, straight  | 8              |                   |            |
| Cannons, short, wide; sinews large, set back  | 2              |                   |            |
| Fetlocks, wide, straight  | 1              |                   |            |
| Pasterns, strong, sloping   | 2              |                   |            |
| Feet, medium, even size; horn dense; frog large, elastic; bars strong; sole concave; heels wide, high | 6              |                   |            |
|   | 31             |                   |            |
| Total   | 100            |                   |            |
| Estimated market value  |                |                   |            |

## College of Agriculture of the University of Minnesota.

|  | Scale of points for gelding. | Perfect score. |
|--|------------------------------|----------------|
| 1. Age, —  |                              |                |
| General appearance:  |                              |                |
| 2. Weight, —   |                              | 4              |
| 3. Height, —   |                              | 4              |
| 4. Form, symmetrical, smooth, stylish  |                              | 4              |
| 5. Quality, bone clean, fine, yet indicating sufficient substance; tendons defined; hair and skin fine   |                              | 3              |
| 6. Temperament, active; disposition good   |                              | 3              |
| Head and neck:   |                              |                |
| 7. Head, lean, straight  |                              | 1              |
| 8. Muzzle, fine; nostrils large; lips thin, even   |                              | 1              |
| 9. Eyes, full, bright, clear, large  |                              | 1              |
| 10. Forehead, broad, full  |                              |                |
| 11. Ears, size medium; pointed, well carried, not far apart  |                              | 1              |
| 12. Neck, muscled; crest high; throatlatch fine; windpipe large  |                              | 1              |
| Fore quarters:   |                              |                |
| 13. Shoulders, long, smooth with muscle, oblique, extending into back, muscled at withers  |                              | 2              |
| 14. Arms, short, thrown forward  |                              | 1              |
| 15. Forearms, muscled, long, wide  |                              | 2              |
| 16. Knees, clean, wide, straight, deep, strongly supported   |                              | 2              |
| 17. Cannons, short, lean; tendons large, set back  |                              | 2              |
| 18. Fetlocks, wide, straight   |                              | 1              |
| 19. Pasterns, strong, angle with ground 45°  |                              | 3              |
| 20. Feet, size medium, even; straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high, even   |                              | 4              |
| 21. Legs, viewed in front, a perpendicular line from the point of the shoulders should fall upon the center of the knee, cannon, pastern and foot; from the side, a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof   |                              |                |
| Body:  |                              | 4              |
| 22. Withers, muscled, well finished at the top   |                              | 1              |
| 23. Chest, deep, wide, low; girth large  |                              | 2              |
| 24. Kibs, long, sprung, close  |                              | 2              |
| 25. Back, straight, short, broad, muscled  |                              | 2              |
| 26. Loin, wide, short, thick   |                              | 2              |
| 27. Underline, long; flank let down  |                              | 1              |
| Hind quarters:   |                              |                |
| 28. Hips, smooth, wide, level  |                              | 2              |
| 29. Croup, long, wide, muscular  |                              | 2              |
| 30. Tail, attached high, well carried  |                              | 1              |
| 31. Thighs, long, muscular   |                              | 2              |
| 32. Quarters, heavily muscled, deep  |                              | 2              |
| 33. Gaskins (or lower thighs), long, wide, muscled   |                              | 2              |
| 34. Hocks, clean, wide, medium angle   |                              | 4              |
| 35. Cannons, short, wide; tendons large, set back  |                              | 2              |
| 36. Fetlocks, wide, strong   |                              | 1              |
| 37. Pasterns, sloping, strong  |                              | 2              |
| 38. Feet, size medium, even; straight; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high   |                              | 3              |
| 39. Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon |                              | 4              |
| Action:  |                              |                |
| 40. Walk, elastic, quick, balanced   |                              | 3              |
| 41. Trot, rapid, straight, regular, high   |                              | 15             |
| Total  |                              | 100            |

## College of Agriculture and Mechanic Arts of the University of Missouri.

| Scale of points.  | Perfect. | Student's score. | Corrected. |
|---|----------|------------------|------------|
| General appearance:   |          |                  |            |
| Height, estimated—hands; actual—hands.....  | 4        |                  |            |
| Weight, estimated—pounds; actual—pounds.....  | 4        |                  |            |
| Form, symmetrical, smooth, stylish.....   | 4        |                  |            |
| Quality, bone clean, flat; tendons well defined; skin and hair fine.....  | 4        |                  |            |
| Action, step smooth, quick, long; trot rapid, straight, regular, high.....  | 15       |                  |            |
| Temperament, active; disposition kind.....  | 4        |                  |            |
| Head and neck:  |          |                  |            |
| Head, lean, straight; length two-fifths height of withers; width of forehead more than one-third length of head; depth of head one-half its length.....   | 2        |                  |            |
| Muzzle, fine; nostrils large; lips thin, even.....  | 1        |                  |            |
| Eyes, large, full, bright, clear.....   | 2        |                  |            |
| Forehead, broad, full.....  | 1        |                  |            |
| Ears, size medium; clean, fine, directed slightly forward, wide apart.....  | 1        |                  |            |
| Neck, well muscled; crest high; throatlatch clean, fine; windpipe large.....  | 2        |                  |            |
| Fore quarters:  |          |                  |            |
| Shoulders, long, oblique, extending into back; point of shoulder to point of withers equals length of head.....   | 2        |                  |            |
| Arms, short, thrown forward.....  | 1        |                  |            |
| Forearms, vertical, long, wide, well muscled.....   | 2        |                  |            |
| Knees, clean cut, wide, straight, deep, strongly supported.....   | 2        |                  |            |
| Cannons, vertical, short, lean, wide; tendons well detached.....  | 2        |                  |            |
| Fetlocks, wide, clean, straight.....  | 1        |                  |            |
| Pasterns, strong, sloping, angle with ground 45 degrees.....  | 2        |                  |            |
| Feet, size round, even; horn dark colored, dense; sole concave; bars strong; frog large, elastic; heel wide, vertical, one-half length of toe.....  | 4        |                  |            |
| Fore legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern and foot; from the side a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof.....  | 4        |                  |            |
| Body:   |          |                  |            |
| Chest, deep, wide, more than half the height of horse.....  | 4        |                  |            |
| Withers, clearly defined, well muscled.....   | 1        |                  |            |
| Ribs, long, well sprung, wide apart.....  | 2        |                  |            |
| Back, straight, short, broad, muscular.....   | 2        |                  |            |
| Loins, wide, short, thick.....  | 2        |                  |            |
| Flank, thin, low.....   | 1        |                  |            |
| Hind quarters:  |          |                  |            |
| Hips, smooth, wide, level.....  | 2        |                  |            |
| Croup, long, wide, muscular, somewhat sloping.....  | 3        |                  |            |
| Tail, attached high, long, full, fine, well carried.....  | 1        |                  |            |
| Thighs, long, muscular; stifle diverted slightly outward.....   | 2        |                  |            |
| Buttocks, heavily muscled, well descended.....  | 2        |                  |            |
| Quarters, heavily muscled, deep.....  | 3        |                  |            |
| Hock, clearly defined, wide, straight.....  | 2        |                  |            |
| Cannons, short, wide.....   | 2        |                  |            |
| Fetlocks, wide, clean, straight.....  | 1        |                  |            |
| Pastern, strong, sloping.....   | 2        |                  |            |
| Feet, compared with above, more oval, more concave; heels higher; walls more vertical.....  | 4        |                  |            |
| Hind legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the lower thigh in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon..... | 4        |                  |            |
| Total .....   | 100      |                  |            |

## North Dakota Agricultural College.

| Scale of points for geldings.   | Perfect score. | Student's score. | Points deficient. |
|---|----------------|------------------|-------------------|
|   |                |                  | Corrected.        |
| <hr/>   |                |                  |                   |
| Age, —  |                |                  |                   |
| General appearance:   |                |                  |                   |
| Weight, — pounds; actual — pounds.  | 2              |                  |                   |
| Height, 18 hands; estimated — hands; actual — hands.  | 2              |                  |                   |
| Form, type —; symmetrical, smooth, stylish.   | 4              |                  |                   |
| Quality, bone clean, firm; tendons, defined; hair and skin fine.                                      | 8              |                  |                   |
| Temperament, active; disposition good.  | 5              |                  |                   |
| Head and neck:  |                |                  |                   |
| Head, lean, straight.   | 1              |                  |                   |
| Muzzle, fine; nostrils large; lips thin, even; teeth sound.   | 1              |                  |                   |
| Eyes, full, bright, clear, large.   | 1              |                  |                   |
| Forehead, broad, full.  | 2              |                  |                   |
| Ears, size medium; pointed, well carried.   | 1              |                  |                   |
| Neck, muscled; crest high; throatlatch fine; windpipe large.  | 2              |                  |                   |
| Fore quarters:  |                |                  |                   |
| Shoulder, long, smooth, oblique, extending into back.   | 3              |                  |                   |
| Arm, short, thrown forward.   | 1              |                  |                   |
| Forearm, muscled, long, wide.   | 2              |                  |                   |
| Knees, clean, wide, straight, deep, strongly supported.   | 2              |                  |                   |
| Cannons, short, wide sinews large, set back.  | 2              |                  |                   |
| Fetlocks, wide, straight.   | 1              |                  |                   |
| Pasterns, strong, angle with ground 45 degrees.   | 3              |                  |                   |
| Feet, size medium, even; horn dense; frog large; bars strong; sole concave; heel wide, high.          | 8              |                  |                   |
| Body:   |                |                  |                   |
| Chest, deep, low; girth large.  | 3              |                  |                   |
| Kibs, long, sprung, close.  | 2              |                  |                   |
| Back, straight, short, broad, muscled.  | 2              |                  |                   |
| Loins, wide, short, thick.  | 2              |                  |                   |
| Underline, long; flank let down.  | 1              |                  |                   |
| Hind quarters:  |                |                  |                   |
| Hips, smooth, wide, level.  | 2              |                  |                   |
| Croup, long, wide, muscular.  | 2              |                  |                   |
| Tail, attached high, well carried.  | 1              |                  |                   |
| Thighs, long, muscular, spread, open angled.  | 2              |                  |                   |
| Quarters, heavily muscled, deep.  | 3              |                  |                   |
| Gaskins, (or lower thighs) long, wide, muscular.  | 2              |                  |                   |
| Hocks, clearly defined, wide, straight.   | 8              |                  |                   |
| Cannons, short, wide; sinews large, set back.   | 2              |                  |                   |
| Fetlocks, wide, straight.   | 1              |                  |                   |
| Pasterns, strong, sloping.  | 2              |                  |                   |
| Feet, size medium, even; horn dense; frog large, elastic; bars strong; sole concave; heel wide, high. | 6              |                  |                   |
| Action, step smooth, long, active; trot rapid, straight, regular.                                     | 10             |                  |                   |
| Total   | 100            |                  |                   |
| Estimated market value  |                |                  |                   |

## The Pennsylvania State College.

| Scale of points.   | Perfect score. | Points off. |
|--|----------------|-------------|
| Eyes, prominent, clear, intelligent, expressive .....  | 4              | .....       |
| Objections, sunken small, wild, vicious .....  |                |             |
| Head, clean cut; face straight, wide between the eyes; ears medium size, quick; nostrils large, delicate, open; lower jaw clean, strong; muzzle fine ..... | 7              | .....       |
| Objections, thick, coarse, beefy, lacking character and quality; face dished, too full .....   |                |             |
| Neck, symmetrical in length and proportions, graceful; full, arched at crest; clean cut at throttle .....  | 4              | .....       |
| Objections, too short; thick at throttle; low at crest .....   |                |             |
| Shoulders, flat, strong; oblique, good width and depth .....   | 4              | .....       |
| Objections, narrow, too round, too upright .....   |                |             |
| Chest, deep, full, expansive .....   | 4              | .....       |
| Objections, sunken, narrow, contracted behind elbows .....   |                |             |
| Forearm, well formed, strong and muscular for high action .....  | 3              | .....       |
| Barrel, deep, moderately well rounded; ribs long, springy; loins strong; back short, strong .....  | 4              | .....       |
| Objections, length too great, light, sunken .....  |                |             |
| Coupling, smooth, strong, full, close ribbed, extending evenly over the hips .....   | 3              | .....       |
| Objections, long and loose, sunken loin or cut up too high in flank .....  |                |             |
| Quarters, symmetrical, muscular, good length, not too sloping, smoothly joined to body .....   | 3              | .....       |
| Objections, short, steep .....   |                |             |
| Tail, long, full, well set, carried high; quality fine .....   | 2              | .....       |
| Objections, set too low, straight, stiff .....   |                |             |
| Stifles and gaskins, muscular, strong, flexible .....  | 3              | .....       |
| Hock, sound, clean, good width, strong, without too great an angle, free from meatiness .....  | 6              | .....       |
| Objections, narrow, thick, inclined to puff .....  |                |             |
| Knees, neither sprung nor calf kneed, broad, straight, strong, relatively high .....   | 6              | .....       |
| Objections, narrow, weak, crooked .....  |                |             |
| Cannons, flat, broad, smooth, clean, fine quality yet with abundant substance, moderately long .....   | 4              | .....       |
| Objections, short, round, set in below the knee .....  |                |             |
| Pasterns, strong, fair length, sound, clean, sloping .....   | 5              | .....       |
| Objections, too short and straight, too long and weak .....  |                |             |
| Feet, medium height, straight, squarely set, free from contracted heels; soles and walls tough; frog full, elastic .....                                   | 7              | .....       |
| Objections, narrow, contracted, flat, crooked .....  |                |             |
| Color, characteristic of breed .....   | 3              | .....       |
| Size, 15½ to 16 hands, well proportioned .....   | 4              | .....       |
| Coat and skin, hair fine, silky; skin soft, pliable .....  | 6              | .....       |
| Objections, coarse, hide bound, staring coat .....   |                |             |
| Action, easy, elastic, straight, even, high, showy .....   | 10             | .....       |
| Objections, sluggish, ungainly, too low .....  |                |             |
| Symmetry and style, well proportioned throughout; position of horse when standing and carriage when in motion attractive, showy, strong .....              | 8              | .....       |
| Objections, low headed, lacking in energy, finish, and quality .....   |                |             |
| Total .....  | 100            | .....       |

NOTE.—Under the head of "Objections" only a few of the most common are named. Other defects should be scored according to their importance.

## South Dakota Agricultural College.

Same as Iowa card for light horses. (See p. 14.)

## The Agricultural and Mechanical College of the University of Tennessee.

|   | Scale of points. | Perfect score. | Student score. |
|---|------------------|----------------|----------------|
| A. General appearance:  |                  |                |                |
| 1. Weight, 900-1,100 pounds; age, —; color, —   |                  | 2              |                |
| 2. Height, 16 hands; estimated, — hands; actual, — hands  |                  | 4              |                |
| 3. Conformation, symmetrical, smooth, stylish   |                  | 4              |                |
| 4. Quality, bone clean, firm; tendons defined; hair and skin fine   |                  | 4              |                |
| 5. Action, step smooth, long, active; trot rapid, straight, regular   |                  | 20             |                |
| 6. Temperament, active; disposition good  |                  | 3              |                |
| B. Head and neck:   |                  |                |                |
| 7. Head, lean, straight   |                  | 1              |                |
| 8. Muzzle, fine; nostrils large; lips thin; corresponding teeth sound   |                  | 1              |                |
| 9. Eyes, full, bright, clear; eyelids oval  |                  | 1              |                |
| 10. Forehead, broad, full   |                  | 1              |                |
| 11. Ears, size medium; pointed, well carried  |                  | 1              |                |
| 12. Neck, muscled; crest high; throatlatch fine; windpipe large   |                  | 2              |                |
| C. Fore quarters:   |                  |                |                |
| 13. Shoulder, long, smooth, oblique, extending into back  |                  | 3              |                |
| 14. Arm, short, thrown forward; forearm muscled, long, wide   |                  | 3              |                |
| 15. Knees, clean, wide, straight, deep, strongly supported; cannons short, wide; tendons large, set back      |                  | 4              |                |
| 16. Fetlocks, wide, straight; pasterns strong, angle with ground 45 degrees                                   |                  | 3              |                |
| 17. Feet, size medium, even; horn dense; sole concave; bars strong; frog prominent, elastic; heels wide, high |                  | 5              |                |
| D. Body:  |                  |                |                |
| 18. Withers, muscled  |                  | 3              |                |
| 19. Chest, deep, low; girth large   |                  | 3              |                |
| 20. Ribs, long, sprung, close   |                  | 2              |                |
| 21. Back, straight, short, broad, muscled   |                  | 2              |                |
| 22. Loins, wide, short, thick   |                  | 2              |                |
| 23. Underline, long; flank let down   |                  | 1              |                |
| E. Hind quarters:   |                  |                |                |
| 24. Hips, smooth, wide, level; croup long, wide, muscular   |                  | 3              |                |
| 25. Tail, attached high, well carried   |                  | 1              |                |
| 26. Thighs, long, muscular, spread, open angled   |                  | 2              |                |
| 27. Quarters, heavily muscled, deep   |                  | 3              |                |
| 28. Gaskin, long, wide, muscular  |                  | 2              |                |
| 29. Hocks, clearly defined, wide, straight; cannons short, wide; sinews large, set back                       |                  | 0              |                |
| 30. Fetlocks, wide, straight; pasterns strong, sloping  |                  | 3              |                |
| 31. Feet, size medium, even; horn dense; frog prominent, elastic; bars strong; sole concave; heels wide, high |                  | 5              |                |
| Total   | 100              |                |                |

## Agricultural and Mechanical College of Texas.

| Scale of points.  | Perfect score,<br>100. | Student's score. | Points deficient.<br>Corrected score. |
|---|------------------------|------------------|---------------------------------------|
| (NOTE.—The points as herein described are regarded as constituting perfection. The nature, extent, and importance of the defects presented are thus made apparent by contrast.) |                        |                  |                                       |
| 1. Age, —   |                        |                  |                                       |
| 2. General appearance—33 points:  |                        |                  |                                       |
| Weight, — pounds; actual, — pounds.   | 2                      |                  |                                       |
| Height, 16 hands; estimated, — hands; actual, — hands.  | 4                      |                  |                                       |
| Conformation, symmetrical, smooth, stylish.   | 4                      |                  |                                       |
| Quality, bone clean, firm; tendons defined; hair and skin fine.   | 20                     |                  |                                       |
| Action, step smooth, long, active; trot rapid, straight, regular.   | 3                      |                  |                                       |
| Temperament, active; disposition good.  |                        |                  |                                       |
| 3. Head and neck—7 points:  |                        |                  |                                       |
| Head, lean, straight.   | 1                      |                  |                                       |
| Muzzle, fine; nostrils large; lips thin, even; teeth sound.   | 1                      |                  |                                       |
| Eyes, full, bright, clear, large.   | 1                      |                  |                                       |
| Forehead, broad, low.   | 1                      |                  |                                       |
| Ears, size medium; pointed, well carried.   | 1                      |                  |                                       |
| Neck, muscled; crest high; throatlatch fine; windpipe large.  | 2                      |                  |                                       |
| 4. Fore quarters—19 points:   |                        |                  |                                       |
| Shoulder, long, smooth, oblique, extending into back.   | 3                      |                  |                                       |
| Arm, short, thrown forward.   | 1                      |                  |                                       |
| Forearm, muscled, long, wide.   | 2                      |                  |                                       |
| Knees, clean, wide, straight, deep, strongly supported.   | 2                      |                  |                                       |
| Cannons, short, wide; sinews, large set back.   | 2                      |                  |                                       |
| Fetlock, wide, straight.  | 1                      |                  |                                       |
| Pasterns strong; angle with ground 45 degrees.  | 2                      |                  |                                       |
| Feet, size medium, even; horn dense; bars strong; sole concave; heels wide, high.   | 6                      |                  |                                       |
| 5. Body—10 points:  |                        |                  |                                       |
| Withers, muscled.   | 1                      |                  |                                       |
| Chest, deep, low; girth large.  | 2                      |                  |                                       |
| Ribs, long, sprung, close.  | 2                      |                  |                                       |
| Back, straight, short, broad, muscled.  | 2                      |                  |                                       |
| Loins, wide, short, thick.  | 2                      |                  |                                       |
| Underline, long; flanks let down.   | 1                      |                  |                                       |
| 6. Hind quarters—31 points:   |                        |                  |                                       |
| Hips, smooth, wide, level.  | 2                      |                  |                                       |
| Croup, long, wide, muscular.  | 2                      |                  |                                       |
| Tail, attached high, well carried.  | 1                      |                  |                                       |
| Thighs, long, muscular, spread, open angled.  | 2                      |                  |                                       |
| Quarters, heavily muscled, deep.  | 3                      |                  |                                       |
| Gaskins (or lower thighs), long, wide, muscular.  | 2                      |                  |                                       |
| Hocks, clearly defined, wide, straight.   | 8                      |                  |                                       |
| Cannons, short, wide; sinews large, set back.   | 2                      |                  |                                       |
| Fetlocks, wide, straight.   | 1                      |                  |                                       |
| Pasterns, strong, sloping.  | 2                      |                  |                                       |
| Feet, size medium, even; horn dense; frog large; bars strong; sole concave; heels wide, high.   | 6                      |                  |                                       |
| Total .....   |                        |                  |                                       |

## Agricultural College of Utah.

| Scale of points.  | Score.     |            |
|---|------------|------------|
| Standard.   | Student's. | Corrected. |
| General appearance:   |            |            |
| Age, as indicated by teeth, —   |            |            |
| Weight, estimated, — pounds; actual, — pounds   |            |            |
| Height, 16 hands; estimated, — hands; actual, — hands   | 2          |            |
| Form, type, —, symmetrical, smooth, stylish   | 4          |            |
| Quality, bone clean, firm; tendons defined; hair and skin fine  | 8          |            |
| Action, step smooth, long, active; trot rapid, straight, regular  | 8          |            |
| Temperament, active; disposition good   | 4          |            |
| Head and neck:  |            |            |
| Head, lean; face straight, wide between the eyes  | 1          |            |
| Muzzle, fine; nostrils large; lips thin, even; teeth sound  | 1          |            |
| Eyes, full, bright, clear, large  | 1          |            |
| Forehead, broad, full   | 1          |            |
| Ears, size medium; pointed, well carried  | 1          |            |
| Neck, muscled, symmetrical; crest high; throttle clean, fine; windpipe large  | 3          |            |
| Fore quarters:  |            |            |
| Shoulders, long, smooth, oblique, extending into back   | 3          |            |
| Arm, short, thrown forward  | 1          |            |
| Fore arm, muscled, long, wide   | 2          |            |
| Knees, clean, wide in front, straight, deep, strongly supported   | 2          |            |
| Cannons, short, wide on the side; sinews large, set back  | 2          |            |
| Fetlock, wide, straight   | 1          |            |
| Pasterns, strong, fair length, sound, angle with the ground 45 degrees  | 3          |            |
| Feet, size medium, even; straight, squarely set; horn dense; frog large; bars strong; sole concave; heel wide, high | 8          |            |
| Body:   |            |            |
| Withers, muscled  | 1          |            |
| Chest, deep, low; girth large, — feet, — inches   | 3          |            |
| Kibs, long, sprung, close   | 2          |            |
| Back, straight, short, broad, muscled   | 2          |            |
| Loins, wide, short, thick   | 2          |            |
| Underline, long; flank let down   | 1          |            |
| Hind quarters:  |            |            |
| Hips, smooth, wide, level   | 2          |            |
| Croup, long, wide, muscular   | 2          |            |
| Tail, attached high, well carried   | 1          |            |
| Thighs, long, muscular, spread, open angled   | 2          |            |
| Quarters, heavily muscled, deep, broad  | 3          |            |
| Gaskins (or lower thighs), long, wide, muscular   | 2          |            |
| Hocks, clearly defined, wide from side and in front, muscular, not too great an angle                               | 8          |            |
| Cannons, short, wide; sinews large, set back  | 2          |            |
| Fetlocks, wide, straight  | 1          |            |
| Pasterns, strong, sloping   | 2          |            |
| Feet, medium, even size; horn dense; frog large, elastic; bars strong; sole concave; heels wide, high               | 6          |            |
| Total   | 98         |            |
| Estimated market value  |            |            |

## Agricultural College of the University of Wisconsin.

| Scale of points.  | Possible score. | Points deficient. |            |
|---|-----------------|-------------------|------------|
|   |                 | Student's score.  | Corrected. |
| Age, —  |                 |                   |            |
| General appearance—28 points:   |                 |                   |            |
| Weight, — pounds; actual — pounds.  | 2               |                   |            |
| Height, estimated, — hands; actual, — hands.  | 4               |                   |            |
| Form, type —; symmetrical, smooth, stylish.   |                 |                   |            |
| Quality, bone clean, fine; tendons well defined; hair and skin fine.                            | 4               |                   |            |
| Action, step smooth, long, active; trot rapid, straight, regular.                               | 15              |                   |            |
| Temperament, active; disposition good.  | 3               |                   |            |
| Head and neck—11 points:  |                 |                   |            |
| Head, not too large, features well defined, regular   | 2               |                   |            |
| Muzzle, fine; nostrils large, flexible; lips thin, even   | 1               |                   |            |
| Eyes, full, bright, clear, large  | 2               |                   |            |
| Forehead, broad, full   | 1               |                   |            |
| Ears, size medium; pointed, well carried.   | 1               |                   |            |
| Lower jaw, angles wide; space clean   | 1               |                   |            |
| Neck, muscled, arched; throatlatch fine; windpipe large   | 3               |                   |            |
| Fore quarters—20 points:  |                 |                   |            |
| Shoulder, long, smooth, oblique, extending into back.   | 3               |                   |            |
| Arm, short, well muscled, thrown forward, well under the body.                                  | 1               |                   |            |
| Forearm, well muscled, long, wide   | 2               |                   |            |
| Knees, clean, wide, straight, deep, strongly supported.   | 2               |                   |            |
| Cannons, short, clean; tendons large, hard, set well back.                                      | 2               |                   |            |
| Fetlocks, wide, straight, square  | 1               |                   |            |
| Pasterns, strong, lengthy, angle with ground 45 degrees.  | 3               |                   |            |
| Feet, size medium, even; horn dense; frog large; bars strong; sole concave; heel wide, not low  | 6               |                   |            |
| Body—10 points:   |                 |                   |            |
| Withers, high, extending well back  | 1               |                   |            |
| Chest, deep, low; girth large   | 2               |                   |            |
| Ribs, deep, well sprung, close  | 2               |                   |            |
| Back, straight, short, broad, well muscled  | 2               |                   |            |
| Loins, wide, short, thick   | 2               |                   |            |
| Underline, long; flank narrow above, let well down  | 1               |                   |            |
| Hind quarters—31 points:  |                 |                   |            |
| Hips, smooth, wide, level   | 2               |                   |            |
| Croup, long, wide, muscular, not drooping   | 3               |                   |            |
| Tail, attached high, well carried   | 1               |                   |            |
| Thighs, muscular, spread, open angled   | 3               |                   |            |
| Stifles, well muscled   | 2               |                   |            |
| Gaskins (or lower thighs), long, broad, muscular  | 3               |                   |            |
| Hocks, clearly defined, wide, straight, deep  | 7               |                   |            |
| Cannons, short, wide; tendons, large, hard, set well back                                       | 2               |                   |            |
| Fetlocks, wide, straight, square  | 1               |                   |            |
| Pasterns, strong, oblique, springy  | 3               |                   |            |
| Feet, size medium, even; horn dense; frog large, elastic; bars strong; sole concave; heels wide | 4               |                   |            |
| Total   | 100             |                   |            |
| Estimated market value  |                 |                   |            |

## DRAFT HORSES.

## The State Agricultural College of Colorado.

| Scale of points for gelding.  | Parts deficient. |                  |            |
|---|------------------|------------------|------------|
|   | Perfect score.   | Student's score. | Corrected. |
| Age, —  |                  |                  |            |
| General appearance:   |                  |                  |            |
| Height, estimated, — hands; actual, — hands   |                  |                  |            |
| Weight, over 1,500 pounds; estimated — pounds; score according to age   | 4                |                  |            |
| Form, broad, massive, proportioned  | 4                |                  |            |
| Quality, bone smooth, hard; tendons lean; skin and hair fine  | 4                |                  |            |
| Temperament, energetic; disposition good  | 4                |                  |            |
| Head and neck:  |                  |                  |            |
| Head, lean; size medium   | 1                |                  |            |
| Muzzle, fine; nostrils large; lips thin, even   | 1                |                  |            |
| Eyes, full, bright, clear   | 1                |                  |            |
| Forehead, broad, full   | 1                |                  |            |
| Ears, size medium; well carried   | 1                |                  |            |
| Neck, muscled; crest high; throat latch fine; windpipe large  | 1                |                  |            |
| Fore quarters:  |                  |                  |            |
| Shoulder, sloping, smooth, snug, extending into back  | 2                |                  |            |
| Arm, short, thrown back   | 1                |                  |            |
| Forearm, heavily muscled, long, wide  | 2                |                  |            |
| Knees, wide, clean cut, straight, deep, strongly supported  | 2                |                  |            |
| Cannons, short, lean, wide; sinews large, set back  | 2                |                  |            |
| Fetlocks, wide, straight, strong  | 1                |                  |            |
| Pasterns, sloping, lengthy, strong  | 3                |                  |            |
| Feet, size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground  | 8                |                  |            |
| Legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side, a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof  | 4                |                  |            |
| Body:   |                  |                  |            |
| Chest, deep, wide, low; girth large   | 2                |                  |            |
| Ribs, long, close, sprung   | 2                |                  |            |
| Back, straight, short, broad, muscular  | 2                |                  |            |
| Loins, wide, short, thick, straight   | 2                |                  |            |
| Underline, flank low  | 1                |                  |            |
| Hind quarters:  |                  |                  |            |
| Hips, smooth, wide  | 2                |                  |            |
| Croup, wide, muscular   | 2                |                  |            |
| Tail, attached high, well carried   | 1                |                  |            |
| Thighs, muscular  | 2                |                  |            |
| Quarters, deep, heavily muscled   | 2                |                  |            |
| Gaskins (or lower thighs), wide, muscled  | 2                |                  |            |
| Hocks, clean cut, wide, straight  | 8                |                  |            |
| Cannons, short, wide; sinews large, set back  | 2                |                  |            |
| Fetlocks, wide, straight, strong  | 1                |                  |            |
| Pasterns, sloping, strong, lengthy  | 2                |                  |            |
| Feet, size large, even; horn dense; dark color; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground  | 6                |                  |            |
| Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle, and a perpendicular line from the point of the buttock should run parallel with the line of the cannon | 4                |                  |            |
| Action:   |                  |                  |            |
| Walk, smooth, quick, long, balanced   | 6                |                  |            |
| Trot, rapid, straight, regular  | 4                |                  |            |
| Total .....   | 100              |                  |            |

## College of Agriculture of the University of Illinois.

| Scale of points.  | Perfect score. | Student's score. | Corrected. |
|---|----------------|------------------|------------|
| Age, estimated, —; actual, —  |                |                  |            |
| General appearance—22 points:   |                |                  |            |
| 1. Height, estimated, — hands; actual, — hands  |                |                  |            |
| 2. Weight, over 1,600 pounds; estimated, — pounds; actual, — pounds; score according to age   | 6              |                  |            |
| 3. Form, broad, massive, proportioned   | 4              |                  |            |
| 4. Quality, bone smooth, hard; tendons lean; skin and hair fine   | 8              |                  |            |
| 5. Temperament, energetic; disposition good   | 4              |                  |            |
| Head and neck—8 points:   |                |                  |            |
| 6. Head, lean; size medium  | 2              |                  |            |
| 7. Muzzle, fine; nostril large; lips thin, even   | 1              |                  |            |
| 8. Eyes, large, full, bright, clear   | 2              |                  |            |
| 9. Forehead, broad, full  | 1              |                  |            |
| 10. Ears, size medium; well carried   | 1              |                  |            |
| 11. Neck, muscled; crest high; throatlatch fine; windpipe large   | 1              |                  |            |
| Fore quarters—22 points:  |                |                  |            |
| 12. Shoulders, sloping, smooth, snug, extending into back   | 3              |                  |            |
| 13. Arm, short  | 1              |                  |            |
| 14. Forearm, heavily muscled, long, wide  | 2              |                  |            |
| 15. Knees, wide, clean cut, straight, deep, strongly supported  | 2              |                  |            |
| 16. Cannons, short, lean, wide; sinews large, set back  | 2              |                  |            |
| 17. Pasterns, moderately sloping, medium length, strong; fetlocks wide, straight  | 2              |                  |            |
| 18. Feet, size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground  | 6              |                  |            |
| 19. Legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side, a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof  | 4              |                  |            |
| Body—9 points:  |                |                  |            |
| 20. Chest, deep, wide, low; girth large   | 2              |                  |            |
| 21. Ribs, long, close, sprung   | 2              |                  |            |
| 22. Back, straight, short, broad, muscular  | 2              |                  |            |
| 23. Loins, wide, short, thick, straight   | 2              |                  |            |
| 24. Underline, flank low  | 1              |                  |            |
| Hind quarters—29 points:  |                |                  |            |
| 25. Hips, smooth, wide  | 2              |                  |            |
| 26. Croup, long, wide, muscular   | 2              |                  |            |
| 27. Tail, attached high, well carried   | 1              |                  |            |
| 28. Quarters, deep, heavily muscled, thighs muscular  | 4              |                  |            |
| 29. Gaskins (or lower thighs), wide, well muscled   | 2              |                  |            |
| 30. Hocks, clean cut, wide, straight  | 6              |                  |            |
| 31. Cannons, short, wide; sinews large, set back  | 2              |                  |            |
| 32. Pasterns, moderately sloping, strong, medium length; fetlocks wide, straight  | 2              |                  |            |
| 33. Feet, size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground  | 4              |                  |            |
| 34. Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon | 4              |                  |            |
| Action—10 points:   |                |                  |            |
| 35. Walk, smooth, quick, long, balanced   | 6              |                  |            |
| 36. Trot, rapid, straight   | 4              |                  |            |
| Total   | 100            |                  |            |

## School of Agriculture of Purdue University.

Same as the Illinois card (see p. 27) for draft horses, with the following exceptions: Under arm, read "short, thrown back;" under pastern, read "sloping, lengthy, strong; fetlocks wide, straight;" under gaskins, read "wide, muscled;" under hind pasterns, read "sloping, lengthy; fetlocks wide, straight;" under action, read "trot rapid, straight, regular."

## Iowa State College of Agriculture and the Mechanic Arts.

|   | Scale of points for gelding. | Perfect score. |
|---|------------------------------|----------------|
| 1. Age  |                              |                |
| General appearance:   |                              |                |
| 2. Height — hands   |                              | 4              |
| 3. Weight, over 1,500 pounds, — pounds; score according to age  |                              | 4              |
| 4. Form, broad, massive, low set, proportioned  |                              | 4              |
| 5. Quality, bone clean, yet indicating sufficient substance; tendons distinct; skin and hair fine   |                              | 4              |
| 6. Temperament, energetic; disposition good   |                              | 4              |
| Head and neck:  |                              |                |
| 7. Head, lean; size medium  |                              | 1              |
| 8. Muzzle, fine; nostrils large; lips thin, even  |                              | 1              |
| 9. Eyes, full, bright, clear, large   |                              | 1              |
| 10. Forehead, broad, full   |                              | 1              |
| 11. Ears, size medium; well carried   |                              | 1              |
| 12. Neck, muscled; crest high; throatlatch fine; windpipe large   |                              | 1              |
| Fore quarters:  |                              |                |
| 13. Shoulders, sloping, smooth, snug, extending into back   |                              | 2              |
| 14. Arm, short, thrown forward  |                              | 1              |
| 15. Forearm, heavily muscled, long, wide  |                              | 2              |
| 16. Knees, wide, clean cut, straight, deep, strongly supported  |                              | 2              |
| 17. Cannons, short, lean, wide; sinews large, set back  |                              | 2              |
| 18. Fetlocks, wide, straight, strong  |                              | 1              |
| 19. Pasterns, sloping, lengthy, strong  |                              | 3              |
| 20. Feet, size large, even; straight; horn dense; color dark; sole concave; bars strong; frog large, elastic; heel wide, high, one-half length of toe   |                              | 8              |
| 21. Legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side, a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof  |                              | 4              |
| Body:   |                              |                |
| 22. Chest, deep, wide, low; girth large   |                              | 2              |
| 23. Ribs, long, close, sprung   |                              | 2              |
| 24. Back, straight, short, broad  |                              | 2              |
| 25. Loin, wide, short, thick, straight  |                              | 2              |
| 26. Underline, flank, low   |                              | 1              |
| Hind quarters:  |                              |                |
| 27. Hips, smooth, wide  |                              | 2              |
| 28. Croup, long, wide, muscular   |                              | 2              |
| 29. Tail, attached high, well carried   |                              | 1              |
| 30. Thighs, muscular  |                              | 2              |
| 31. Quarters, deep, heavily muscled   |                              | 2              |
| 32. Gaskins (or lower thighs), wide, muscled  |                              | 2              |
| 33. Hocks, clean cut, wide, straight  |                              | 8              |
| 34. Cannons, short, wide; sinews large, set back  |                              | 2              |
| 35. Fetlocks, wide, straight, strong  |                              | 1              |
| 36. Pasterns, sloping, strong, lengthy  |                              | 2              |
| 37. Feet, size large, even; straight; horn dense, color dark; sole concave; bars strong; frog large, elastic; heel wide, high, one-half length of toe   |                              | 6              |
| 38. Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon |                              | 4              |
| Action:   |                              |                |
| 39. Walk, smooth, quick, long, balanced   |                              | 6              |
| 40. Trot, rapid, straight, regular  |                              | 4              |
| Total   |                              | 100            |

## Kansas State Agricultural College.

Same as the Colorado card (see p. 26), with the omission of "age" and "height" and the omission of the term "muscular" under "back."

## Maryland Agricultural College.

| Scale of points for — (sex).  | Perfect score. | Student's score. | Corrected. |
|---|----------------|------------------|------------|
| <b>General characters:</b>  |                |                  |            |
| Age, student's estimate, —; corrected, —                                | 2              |                  |            |
| Height, estimated, — hands; actual, — hands                             | 3              |                  |            |
| Weight, 1,500 pounds or over; estimated at — pounds                     | 3              |                  |            |
| Form, broad, massive, proportioned                                      | 4              |                  |            |
| Quality, bones smooth, hard; tendons lean; skin fine                    | 5              |                  |            |
| Temperament, energetic; disposition good                                | 8              |                  |            |
|   | 25             |                  |            |
| <b>Head and neck:</b>   |                |                  |            |
| Head, lean, shapely; size medium  | 1              |                  |            |
| Muzzle, fine; nostril large, lips thin, even                            | 1              |                  |            |
| Eyes, full, bright, clear   | 1              |                  |            |
| Forehead, broad, full, flat   | 1              |                  |            |
| Ears, size medium; carried well   | 1              |                  |            |
| Neck, muscled; crest high; windpipe large; throatlatch fine             | 2              |                  |            |
|   | 7              |                  |            |
| <b>Body:</b>  |                |                  |            |
| Chest, deep, wide, low; girth large                                     | 3              |                  |            |
| Ribs, long, close, sprung   | 1              |                  |            |
| Back, straight, short, broad, muscular                                  | 2              |                  |            |
| Loins, wide, short, thick, straight                                     | 1              |                  |            |
| Underline, flank low  | 1              |                  |            |
|   | 8              |                  |            |
| <b>Extremities:</b>   |                |                  |            |
| Shoulder, sloping, smooth, snug, extending into back                    | 3              |                  |            |
| Arm, short, thrown back   | 1              |                  |            |
| Forearm, heavily muscled, long, wide                                    | 2              |                  |            |
| Knees, wide, clean cut, straight, deep, strongly supported              | 2              |                  |            |
| Hips, smooth, wide, level   | 3              |                  |            |
| Croup, wide, muscular, level  | 2              |                  |            |
| Thighs, muscular  | 2              |                  |            |
| Quarters, deep, heavily muscled   | 3              |                  |            |
| Gaskins, wide, muscled  | 2              |                  |            |
| Hocks, clear cut, wide, straight  | 8              |                  |            |
| Cannon, short, wide; sinews large, set back                             | 2              |                  |            |
| Fetlocks, wide, straight, strong  | 2              |                  |            |
| Pasterns, sloping, strong, medium                                       | 4              |                  |            |
| Forefeet, size large, even; concave; heels wide; frog large             | 8              |                  |            |
| Hind feet, large, even size; heels wide; frogs large                    | 6              |                  |            |
|   | 50             |                  |            |
| Action, step smooth, elastic, even, long, quick; trot straight, regular | 10             |                  |            |
|   | 100            |                  |            |
| Total score   |                |                  |            |
| Estimated market value  |                |                  |            |

## Massachusetts Agricultural College.

| Scale of points for gelding.   | Perfect score. | Student's score. | Points deficient. |
|--|----------------|------------------|-------------------|
| Age .....  |                |                  |                   |
| General appearance:  |                |                  |                   |
| Height, estimated, — hands; actual, — hands .....  |                |                  |                   |
| Weight, over 1,500 pounds; estimated, — pounds; score according to age .....   | 6              |                  |                   |
| Form, broad, massive, proportioned .....   | 4              |                  |                   |
| Quality, bone smooth, hard; tendons lean; skin and hair fine .....   | 6              |                  |                   |
| Temperament, energetic; disposition good .....   | 5              |                  |                   |
|  | 21             |                  |                   |
| Head and neck:   |                |                  |                   |
| Head, lean; size medium .....  | 1              |                  |                   |
| Muzzle, fine; nostril large; lips thin, even .....   | 1              |                  |                   |
| Eyes, full, bright, clear .....  | 1              |                  |                   |
| Forehead, broad, full .....  | 1              |                  |                   |
| Ears, size medium; well carried .....  | 1              |                  |                   |
| Neck, muscled; crest high; throatlatch fine; windpipe large .....  | 1              |                  |                   |
|  | 6              |                  |                   |
| Fore quarters:   |                |                  |                   |
| Shoulder, sloping, smooth, snug, extending into back .....   | 3              |                  |                   |
| Arm, short, thrown back .....  | 1              |                  |                   |
| Forearm, heavily muscled, long, wide .....   | 2              |                  |                   |
| Knees, wide, clean cut, straight, deep, strongly supported .....   | 2              |                  |                   |
| Cannons, short, lean, wide; sinews large, set back .....   | 2              |                  |                   |
| Fetlocks, wide, straight, strong .....   | 1              |                  |                   |
| Pasterns, sloping, lengthy, strong .....   | 3              |                  |                   |
| Feet, size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground .....             | 8              |                  |                   |
|  | 22             |                  |                   |
| Body:  |                |                  |                   |
| Chest, deep, wide, low; girth large .....  | 2              |                  |                   |
| Ribs, long, close sprung .....   | 2              |                  |                   |
| Back, straight, short, broad, muscular .....   | 2              |                  |                   |
| Loins, wide, short, thick, straight .....  | 2              |                  |                   |
| Underline, flank low .....   | 1              |                  |                   |
|  | 9              |                  |                   |
| Hind quarters:   |                |                  |                   |
| Hips, smooth, wide .....   | 2              |                  |                   |
| Croup, wide, muscular .....  | 3              |                  |                   |
| Thighs, muscular .....   | 2              |                  |                   |
| Quarters, deep, heavily muscled .....  | 4              |                  |                   |
| Gaskins (or lower thighs), wide, muscled .....   | 2              |                  |                   |
| Hocks, clear cut, wide, straight .....   | 8              |                  |                   |
| Cannons, short, wide; sinews large, set back .....   | 2              |                  |                   |
| Fetlocks, wide, straight, strong .....   | 1              |                  |                   |
| Pasterns, sloping, strong, lengthy .....   | 2              |                  |                   |
| Feet, size large, even; horn dense, color dark; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground ..... | 6              |                  |                   |
| Action, step smooth, quick, long; trot rapid, straight, regular .....  | 10             |                  |                   |
|  | 42             |                  |                   |
| Total .....  | 100            |                  |                   |
| Estimated market value .....   |                |                  |                   |

## Michigan State Agricultural College.

| Scale of points.   | Perfect. | Student's estimate. | Corrected. |
|--|----------|---------------------|------------|
| General appearance:  |          |                     |            |
| Age, as indicated by teeth .....   |          |                     |            |
| Height, estimated, — hands; actual, — hands .....  | 4        |                     |            |
| Weight, 1,500 pounds and above .....   | 4        |                     |            |
| Form, low, square, massive .....   |          |                     |            |
| Quality, bone clean, hard; skin lying close to bone and tendons; hair fine .....               | 7        |                     |            |
| Temperament, docile, energetic, but not nervous .....  | 5        |                     |            |
|  | 20       |                     |            |
| Head and neck:   |          |                     |            |
| Head, medium size, lean, intelligent .....   | 2        |                     |            |
| Muzzle, fine; nostrils wide, open; lips thin, even .....                                       | 1        |                     |            |
| Eyes, prominent, bright, clear .....   | 1        |                     |            |
| Forehead, broad, full .....  | 2        |                     |            |
| Ears, rather short, but pointed, well carried .....  | 2        |                     |            |
| Neck, inclined to be short, deep at junction with body; crest high; mane good .....            | 2        |                     |            |
|  | 10       |                     |            |
| Fore quarter:  |          |                     |            |
| Shoulder, smooth, moderately upright, muscles covering blade well developed .....              | 4        |                     |            |
| Arm, short, well muscled .....   | 3        |                     |            |
| Knees, wide, deep, straight, strong .....  | 2        |                     |            |
| Cannons, short, flat, lean; sinews large .....   | 2        |                     |            |
| Pasterns, short, strong .....  | 3        |                     |            |
| Feet, not flat, large; horn dense; frog well developed, elastic; heels wide, full, round ..... | 8        |                     |            |
|  | 22       |                     |            |
| Body:  |          |                     |            |
| Chest, deep, broad, full; girth large .....  | 3        |                     |            |
| Back, straight, short, well muscled .....  | 2        |                     |            |
| Loins, wide, short .....   | 2        |                     |            |
| Ribs, well sprung, making round barrel .....   | 2        |                     |            |
|  | 9        |                     |            |
| Hind quarters:   |          |                     |            |
| Hips, smooth, wide apart .....   | 2        |                     |            |
| Croup, well muscled, wide .....  | 2        |                     |            |
| Tail, well carried, attached high .....  | 1        |                     |            |
| Thighs, full, muscular, thick through the hams .....   | 2        |                     |            |
| Quarters, deep, thoroughly muscled .....   | 4        |                     |            |
| Gaskins, wide, muscles outstanding .....   | 2        |                     |            |
| Hocks, short, flat; sinews prominent .....   | 7        |                     |            |
| Pasterns, short, strong .....  | 3        |                     |            |
| Feet, not flat, large; horn dense; frog well developed, elastic; heels wide, full, round ..... | 8        |                     |            |
| Action, step smooth, straight, quick, moderately long .....                                    | 8        |                     |            |
|  | 39       |                     |            |
| Total .....  | 100      |                     |            |

## College of Agriculture of the University of Minnesota.

|   | Scale of points for gelding. | Perfect score. |
|---|------------------------------|----------------|
| 1. Age .....  |                              |                |
| General appearance:   |                              |                |
| 2. Height .....   | 2                            |                |
| 3. Weight, over 1,500 pounds; estimated, — pounds; score according to age .....   | 4                            |                |
| 4. Form, broad, massive, proportioned .....   | 4                            |                |
| 5. Quality, bone clean, fine, yet indicating sufficient substance; tendons lean; skin and hair fine .....   | 4                            |                |
| 6. Temperament, energetic; disposition good .....   | 4                            |                |
| Head and neck:  |                              |                |
| 7. Head, lean; size medium .....  | 1                            |                |
| 8. Muzzle, fine; nostrils large; lips thin, even .....  | 1                            |                |
| 9. Eyes, full, bright, clear, large .....   | 1                            |                |
| 10. Forehead, broad, full .....   | 1                            |                |
| 11. Ears, size medium; well carried .....   | 1                            |                |
| 12. Neck, muscled; crest high; throatlatch fine; windpipe large .....   | 1                            |                |
| Fore quarters:  |                              |                |
| 13. Shoulders, moderately sloping, smooth, snug .....   | 2                            |                |
| 14. Arm, short, thrown forward .....  | 1                            |                |
| 15. Forearm, heavily muscled, long, wide .....  | 2                            |                |
| 16. Knees, wide, clean cut, straight, deep, strongly supported .....  | 2                            |                |
| 17. Cannons, short, wide; tendons large, set back .....   | 2                            |                |
| 18. Fetlocks, wide, straight, strong .....  | 1                            |                |
| 19. Pastern, sloping, lengthy, strong .....   | 3                            |                |
| 20. Feet, size large, even; straight; horn dense; sole concave; bars strong; frog large, elastic; heels wide, high, even .....  | 6                            |                |
| 21. Legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof .....   | 4                            |                |
| Body:   |                              |                |
| 22. Chest, deep, wide, low; girth large .....   | 2                            |                |
| 23. Ribs, long, sprung, close .....   | 2                            |                |
| 24. Back, straight, short, broad .....  | 2                            |                |
| 25. Loin, wide, short, thick, straight .....  | 2                            |                |
| 26. Underline, flank low .....  | 1                            |                |
| Hind quarters:  |                              |                |
| 27. Hips, smooth, wide .....  | 2                            |                |
| 28. Croup, long, wide, muscular .....   | 2                            |                |
| 29. Tail, attached high, well carried .....   | 1                            |                |
| 30. Thighs, muscular .....  | 2                            |                |
| 31. Quarters, deep, heavily muscled .....   | 2                            |                |
| 32. Gaskins (or lower thighs), wide, muscled .....  | 2                            |                |
| 33. Hocks, clean cut, wide, straight .....  | 3                            |                |
| 34. Cannons, short, wide; sinews large, set back .....  | 2                            |                |
| 35. Fetlocks, wide, straight, strong .....  | 1                            |                |
| 36. Pasterns, sloping, strong, lengthy .....  | 2                            |                |
| 37. Feet, size large, even; straight; horn dense; color dark; sole concave; bars strong; frog large, elastic; heel wide, high, one-half length of toe .....   | 6                            |                |
| 38. Legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the gaskin in the middle; and a perpendicular line from the point of the buttock should run parallel with the line of the cannon ..... | 4                            |                |
| Action:   |                              |                |
| 39. Walk, smooth, quick, long, balanced .....   | 6                            |                |
| 40. Trot, rapid, free, straight, regular .....  | 4                            |                |
| Total .....   | 100                          |                |

## College of Agriculture and Mechanic Arts, University of Missouri.

| Scale of points.  | Perfect score. | Students' score. | Corrected. |
|---|----------------|------------------|------------|
| General appearance:   |                |                  |            |
| Height, estimated, — hands; actual, — hands.....  |                |                  |            |
| Weight, over 1,500 pounds; estimated, — pounds; actual, — pounds; score according to age .....  | 6              |                  |            |
| Form, low, massive, well proportioned .....   | 6              |                  |            |
| Quality—bone clean, flat; tendons lean; skin and hair fine .....  | 4              |                  |            |
| Temperament, energetic; disposition good .....  | 4              |                  |            |
| Action—step smooth, quick, long, balanced; trot rapid, straight, regular .....  | 10             |                  |            |
| Head and neck:  |                |                  |            |
| Head, lean; size medium .....   | 2              |                  |            |
| Muzzle, fine; nostrils large; lips thin, even .....   | 1              |                  |            |
| Eyes, full, bright, clear .....   | 2              |                  |            |
| Forehead, broad, full .....   | 1              |                  |            |
| Ears, size medium; well carried, wide apart .....   | 1              |                  |            |
| Neck, well muscled, crest high; throatlatch fine; windpipe large .....  | 2              |                  |            |
| Fore quarters:  |                |                  |            |
| Shoulders, only slightly sloping, smooth, extending into back .....   | 2              |                  |            |
| Arms, short, thrown back .....  | 1              |                  |            |
| Forearms, long, wide, heavily muscled .....   | 2              |                  |            |
| Knees, wide, clean cut, straight, strongly supported .....  | 2              |                  |            |
| Cannons, short, vertical, lean, wide, flat .....  | 2              |                  |            |
| Fetlocks, wide, straight, strong .....  | 1              |                  |            |
| Pasterns, sloping, strong, thick; angle with ground 45 degrees .....  | 2              |                  |            |
| Feet, round; size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe .....  | 6              |                  |            |
| Fore legs, viewed in front, a perpendicular line from the point of the shoulder should fall upon the center of the knee, cannon, pastern, and foot; from the side a perpendicular line dropping from the center of the elbow joint should fall upon the center of the knee and pastern joints and back of hoof .....  | 4              |                  |            |
| Body:   |                |                  |            |
| Chest, deep, wide; girth large .....  | 3              |                  |            |
| Withers, smooth, not prominent, well muscled .....  | 1              |                  |            |
| Ribs, long, wide apart, well sprung .....   | 2              |                  |            |
| Back, short, straight, broad, well muscled .....  | 2              |                  |            |
| Loins, wide, short, thick .....   | 2              |                  |            |
| Flank, low .....  | 1              |                  |            |
| Hind quarters:  |                |                  |            |
| Hips, smooth, wide .....  | 2              |                  |            |
| Croup, wide, muscular, somewhat oblique .....   | 2              |                  |            |
| Tail, attached high, full, well carried .....   | 1              |                  |            |
| Thighs, well muscled .....  | 2              |                  |            |
| Buttocks, heavily muscled, wide .....   | 2              |                  |            |
| Quarters, deep, heavily muscled .....   | 2              |                  |            |
| Hock, wide, straight, clean cut .....   | 4              |                  |            |
| Cannons, short, wide .....  | 2              |                  |            |
| Fetlocks, wide, straight, strong .....  | 1              |                  |            |
| Pasterns, sloping, strong .....   | 2              |                  |            |
| Hind feet, compared with forefeet, more oval, more concave; heels higher; walls more vertical .....   | 4              |                  |            |
| Hind legs, viewed from behind, a perpendicular line from the point of the buttock should fall upon the center of the hock, cannon, pastern, and foot; from the side, a perpendicular line from the hip joint should fall upon the center of the foot and divide the lower thigh in the middle, and a perpendicular line from the point of the buttock should run parallel to the line of the cannon ..... | 4              |                  |            |
| Total .....   | 100            |                  |            |

## North Dakota Agricultural College.

| Scale of points for gelding. <sup>a</sup>  | Perfect score. | Student's score. | Points deficient. | Corrected. |
|--|----------------|------------------|-------------------|------------|
| Age, —   |                |                  |                   |            |
| General appearance:  |                |                  |                   |            |
| Height, estimated, —; actual, —  |                |                  |                   |            |
| Weight, over 1,500 pounds; estimated, — pounds; score according to age   | 1              |                  |                   |            |
| Form, broad, massive, proportioned   | 4              |                  |                   |            |
| Quality, bone smooth, hard; tendons lean; hair and skin fine   | 8              |                  |                   |            |
| Temperament, energetic; disposition good   | 5              |                  |                   |            |
| Head and neck:   |                |                  |                   |            |
| Head, lean; size medium  | 1              |                  |                   |            |
| Muzzle, fine; nostrils large; lips thin, even  | 1              |                  |                   |            |
| Eyes, full, bright, clear  | 1              |                  |                   |            |
| Forehead, broad, full  | 2              |                  |                   |            |
| Ears, size medium; well carried  | 1              |                  |                   |            |
| Neck, muscled; crest high; throatlatch fine; windpipe large  | 1              |                  |                   |            |
| Fore quarters:   |                |                  |                   |            |
| Shoulder, sloping, smooth, snug, extending into back   | 3              |                  |                   |            |
| Arm, short, thrown back  | 1              |                  |                   |            |
| Forearm, heavily muscled, long, wide   | 2              |                  |                   |            |
| Knees, wide, clean-cut, straight, deep, strongly supported   | 2              |                  |                   |            |
| Cannons, short, lean, wide; sinews large, set back   | 2              |                  |                   |            |
| Fetlocks, wide, straight, strong   | 1              |                  |                   |            |
| Pasterns, sloping, lengthy, strong   | 3              |                  |                   |            |
| Feet, size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground             | 8              |                  |                   |            |
| Body:  |                |                  |                   |            |
| Chest, deep, wide, low; girth large  | 2              |                  |                   |            |
| Ribs, long, sprung, close  | 2              |                  |                   |            |
| Back, straight, short, broad, muscular   | 2              |                  |                   |            |
| Loins, wide, short, thick, straight  | 2              |                  |                   |            |
| Underline, flank low   | 1              |                  |                   |            |
| Hind quarters:   |                |                  |                   |            |
| Hips, smooth, wide   | 2              |                  |                   |            |
| Croup, wide, muscular  | 3              |                  |                   |            |
| Tail, attached high, well carried  | 1              |                  |                   |            |
| Thighs, muscular   | 2              |                  |                   |            |
| Quarters, heavily muscled, deep  | 4              |                  |                   |            |
| Gaskins (or lower thighs), wide, muscled   | 2              |                  |                   |            |
| Hocks, clear cut, wide, straight   | 8              |                  |                   |            |
| Cannons, short, wide; sinews large, set back   | 2              |                  |                   |            |
| Fetlocks, wide, straight, strong   | 1              |                  |                   |            |
| Pasterns, sloping, strong, lengthy   | 2              |                  |                   |            |
| Feet, size large, even; horn dense; color dark; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground | 6              |                  |                   |            |
| Action, step smooth, quick, long; trot rapid, straight, regular  | 8              |                  |                   |            |
| Total  | 100            |                  |                   |            |
| Estimated market value   |                |                  |                   |            |

<sup>a</sup> After Craig.

## Oklahoma Agricultural and Mechanical College.

Same as the Colorado card (see p. 26) for draft horses, with the omission of "age" and "height" and the omission of the term "muscular" under "back." There are also some slight changes in phraseology.

## Pennsylvania State College.

| Scale of points.   | Perfect score. | Points off. |
|--|----------------|-------------|
| Eyes, prominent, clear, intelligent, expressive.   | 4              |             |
| Objections, small, sunken, vicious, wild.  |                |             |
| Head, clean cut; face straight, wide between the eyes; ears of fair size but not sluggish; nostrils large, open; lower jaw strong, clean; lips fine, firm. | 5              |             |
| Objections, narrow, thick, beefy, dish face.   |                |             |
| Neck, symmetrical in length and proportions, strong; full at crest; clean cut at throttle.   | 4              |             |
| Objections, too short, thick; low at crest.  |                |             |
| Shoulders, well rounded, muscular, moderately sloping; strong at base; well finished at withers.   | 4              |             |
| Objections, lacking in muscle, too upright.  |                |             |
| Chest, deep, full, prominent, with good width.   | 5              |             |
| Objections, narrow, sunken.  |                |             |
| Forearm, well formed, well joined, strong, muscular.   | 4              |             |
| Barrel, round, with well sprung ribs and full heart girth; back short, strong.   | 6              |             |
| Objections, narrow, ribs too straight.   |                |             |
| Coupling, smooth, strong, full, close ribbed, extending evenly over the point of the hips.   | 5              |             |
| Objections, loose; sunken loin, high flank.  |                |             |
| Quarters, symmetrical, medium length and width, not too sloping, well rounded, muscular.   | 4              |             |
| Objections, narrow, too short, too steep.  |                |             |
| Tail, full, well set, fine in quality.   | 1              |             |
| Objections, coarse, stiff.   |                |             |
| Stifles and gaskins, muscular, full, short, strong.  | 4              |             |
| Objections, lacking in muscle.   |                |             |
| Hock, sound, wide, strong, without too great an angle and free from meatiness.   | 8              |             |
| Objections, narrow, puffed, meaty.   |                |             |
| Knees, neither sprung nor calf knee, broad, straight, strong.  | 5              |             |
| Objections, narrow, weak, crooked.   |                |             |
| Cannons, short, flat, broad, smooth, fine quality, yet with abundant substance.  | 5              |             |
| Objections, round, spongy, deficient in size.  |                |             |
| Pasterns, strong, medium length, sound, clean, sloping.  | 5              |             |
| Objections, too short, stiff.  |                |             |
| Feet, medium height, good size, round, straight, squarely set, free from contracted heels; soles and walls tough; frog full elastic.                       | 10             |             |
| Objections, flat, shelly; narrow, contracted.  |                |             |
| Color, characteristic of breed.  | 2              |             |
| Size, fifteen-three to sixteen-three hands and weight proportional.  | 5              |             |
| Coat and skin: skin soft, pliable; hair fine, silky.   | 3              |             |
| Objections, coarse, shaggy; hide unyielding.   |                |             |
| Action, strong, elastic, straight, even, vigorous.   | 5              |             |
| Objections, low headed, awkward, sluggish.   |                |             |
| Symmetry and style, well proportioned; position of horse when standing and carriage when in motion, easy, graceful, strong.                                | 6              |             |
| Total  | 100            |             |

NOTE.—Under the head of "Objections" only a few of the most common are named. Other defects should be scored according to their importance.

## South Dakota Agricultural College.

Same as the Iowa card (see p. 28) for draft horses, with the exception that under form the term "low set" is omitted.

**The State Agricultural and Mechanical College of the University of Tennessee.**

|   | Scale of points. | Perfect score. | Student's score. |
|---|------------------|----------------|------------------|
| A. General appearance:  |                  |                |                  |
| 1. Weight, 1,500 pounds or over; age, —; color, —   |                  |                |                  |
| 2. Height, 14 hands and up; estimated, — hands; actual, — hands   |                  | 4              |                  |
| 3. Conformation, broad, massive, proportioned   |                  | 4              |                  |
| 4. Quality, bone smooth; tendons well defined; skin and hair fine   |                  | 6              |                  |
| 5. Action, step smooth, long, active; trot rapid, straight, regular   |                  | 8              |                  |
| 6. Temperament, energetic; disposition good   |                  | 4              |                  |
| B. Head and neck:   |                  |                |                  |
| 7. Head, well defined; size medium  |                  | 1              |                  |
| 8. Muzzle, fine; nostrils large; lips thin, corresponding   |                  | 1              |                  |
| 9. Eyes, full, bright, clear; eyelids oval  |                  | 1              |                  |
| 10. Forehead, broad, full   |                  | 1              |                  |
| 11. Ears, size medium; well carried   |                  | 1              |                  |
| 12. Neck, muscled; crest high; throatlatch fine; windpipe large   |                  | 1              |                  |
| C. Fore quarters:   |                  |                |                  |
| 13. Shoulder, long, smooth, oblique, extending into back  |                  | 2              |                  |
| 14. Arm, short, muscled, thrown downward and backward; forearm well muscled, long, wide                       |                  | 5              |                  |
| 15. Knees, clean, wide, straight, deep, strongly supported; cannons short, wide; tendons large, set back      |                  | 6              |                  |
| 16. Fetlocks, wide, straight, strong; pasterns, strong, sloping   |                  | 4              |                  |
| 17. Feet, size medium, even; horn dense; sole concave; bars strong; frog prominent, elastic; heels wide       |                  | 6              |                  |
| D. Body:  |                  |                |                  |
| 18. Withers, well muscled   |                  | 2              |                  |
| 19. Chest, deep, wide, low; girth large   |                  | 2              |                  |
| 20. Ribs, long, sprung, close   |                  | 2              |                  |
| 21. Back, straight, short, broad, muscled   |                  | 2              |                  |
| 22. Loins, wide, short, thick   |                  | 2              |                  |
| 23. Underline, long; flank let down   |                  | 1              |                  |
| E. Hind quarters:   |                  |                |                  |
| 24. Hips, smooth, wide, level; croup, long, wide, muscular  |                  | 4              |                  |
| 25. Tail, attached high, well carried   |                  | 1              |                  |
| 26. Thighs, long, muscular  |                  | 2              |                  |
| 27. Quarters, heavily muscled, deep   |                  | 2              |                  |
| 28. Gaskin, wide, muscled   |                  | 2              |                  |
| 29. Hock, well defined, wide, straight; cannons, short, wide; tendons set back                                |                  | 12             |                  |
| 30. Fetlocks, wide, straight; pasterns, strong, sloping, defined  |                  | 5              |                  |
| 31. Feet, size medium, even; horn dense; frog prominent, elastic; bars strong, sole concave; heels high, wide |                  | 6              |                  |
| Total.....  |                  | 100            |                  |

## Utah Agricultural College.

| Scale of points.  | Score.         |            |            |
|---|----------------|------------|------------|
|   | Stand-<br>ard. | Student's. | Corrected. |
| General appearance:   |                |            |            |
| Age, as indicated by teeth.....   |                |            |            |
| Height, estimated, —— hands; actual, —— hands.....  |                |            |            |
| Weight, estimated, —— pounds; actual, —— pounds; score according to age.....  | 4              |            |            |
| Form and symmetry, broad, massive, proportioned.....  | 4              |            |            |
| Quality, bone smooth, hard; tendons, lean; skin lying close to bone and tendons; hair fine.....   | 7              |            |            |
| Color, characteristic of the breed.....   | 2              |            |            |
| Action, step smooth, quick, long; walk fast; trot rapid, straight, regular.....   | 8              |            |            |
| Temperament, energetic; disposition good.....   | 5              |            |            |
| Head and neck:  |                |            |            |
| Head, size medium; broad between the eyes, lean.....  | 1              |            |            |
| Muzzle, fine; nostrils large; lips thin, even.....  | 1              |            |            |
| Eyes, full, bright, clear, intelligent.....   | 1              |            |            |
| Forehead, broad, full.....  | 2              |            |            |
| Ears, medium size, well carried.....  | 1              |            |            |
| Neck, muscled; crest high; throat clean, fine; windpipe large.....  | 2              |            |            |
| Fore quarters:  |                |            |            |
| Shoulders, sloping moderately, smooth, snug, extending into back.....   | 3              |            |            |
| Arm, short, carried back.....   | 1              |            |            |
| Forearm, heavily muscled, long, wide.....   | 2              |            |            |
| Knees, wide, clean cut, straight, deep, strongly supported.....   | 2              |            |            |
| Cannons, short, lean, wide; sinews large, set back.....   | 2              |            |            |
| Fetlock, wide, clean, strong, straight.....   | 1              |            |            |
| Pasterns, sloping; strong; length, medium.....  | 2              |            |            |
| Feet, size large, even; dark colored; horn dense; sole concave; bars strong; frog large, elastic; heel wide, full, vertical.....                                    | 7              |            |            |
| Body:   |                |            |            |
| Chest, deep, wide, low; girth large.....  | 3              |            |            |
| Ribs, long, close, well sprung, making round barrel.....  | 2              |            |            |
| Back, straight, short, broad, muscular.....   | 2              |            |            |
| Loins, wide, short, thick, level.....   | 2              |            |            |
| Underline, flank low.....   | 1              |            |            |
| Hind quarters:  |                |            |            |
| Hips, smooth, wide.....   | 2              |            |            |
| Croup, wide, muscular.....  | 3              |            |            |
| Tail, attached medium high, well carried.....   | 1              |            |            |
| Thighs, full, muscular, thick through hams.....   | 2              |            |            |
| Quarters, deep, heavily muscled.....  | 4              |            |            |
| Gaskins (or lower thighs), wide, muscled, well down.....  | 2              |            |            |
| Hocks, large, bony, clean cut, broad, thick; lower inside boundary not abrupt.....  | 7              |            |            |
| Cannons, upright, wide, short; tendons large, strong, set back.....   | 2              |            |            |
| Fetlocks, wide, straight, strong.....   | 1              |            |            |
| Pasterns, sloping, strong, medium length.....   | 2              |            |            |
| Feet, size large, even; horn dense, dark colored; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to the ground..... | 6              |            |            |
| Total.....  | 100            |            |            |
| Estimated market value.....   |                |            |            |

## College of Agriculture of the University of Wisconsin.

| Scale of points.  | Possible score. | Points deficient. |            |
|---|-----------------|-------------------|------------|
|   |                 | Student's score.  | Corrected. |
| Age.....  |                 |                   |            |
| General appearance—29 points:   |                 |                   |            |
| Height, estimated, — hands; actual, — hands.....  |                 |                   |            |
| Weight, over 1,500 pounds; estimated, — pounds; score according to age.....   | 6               |                   |            |
| Form, broad, massive, proportioned.....   | 4               |                   |            |
| Quality, bone clean, strong; tendons lean, well defined; skin and hair fine; feather, when present, silky.....  | 6               |                   |            |
| Action, step smooth, quick, long; trot rapid, straight, regular.....  | 10              |                   |            |
| Temperament, energetic; disposition good.....   | 3               |                   |            |
| Head and neck—8 points:   |                 |                   |            |
| Head, clean cut; size good.....   | 1               |                   |            |
| Muzzle, fine; nostrils large, flexible; lips thin, even.....  | 1               |                   |            |
| Eyes, full, bright, clear.....  | 1               |                   |            |
| Forehead, broad, full.....  | 1               |                   |            |
| Ears, size medium; well carried.....  | 1               |                   |            |
| Lower jaw, angles wide; space clean.....  | 1               |                   |            |
| Neck, muscled, arched; throatlatch fine; windpipe large.....  | 2               |                   |            |
| Fore quarters—22 points:  |                 |                   |            |
| Shoulder, slightly sloping, smooth, snug, extending into back.....  | 3               |                   |            |
| Arm, short, thrown back, well set.....  | 1               |                   |            |
| Forearm, heavily muscled, long, wide.....   | 2               |                   |            |
| Knees, clean, wide, straight, deep, strong.....   | 2               |                   |            |
| Cannons, short, clean, wide; tendons large, set back.....   | 2               |                   |            |
| Fetlocks, wide, straight, strong.....   | 1               |                   |            |
| Pasterns, wide, straight, strong.....   | 3               |                   |            |
| Feet, size large, even; horn dense; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground.....             | 8               |                   |            |
| Body—9 points:  |                 |                   |            |
| Chest, deep, wide, low; girth large.....  | 2               |                   |            |
| Ribs, deep, well sprung, closely ribbed to hip.....   | 2               |                   |            |
| Back, straight, short, broad, muscular.....   | 2               |                   |            |
| Loins, thick, wide, short, straight.....  | 2               |                   |            |
| Underline, flank low.....   | 1               |                   |            |
| Hind quarters—32 points:  |                 |                   |            |
| Hips, wide, smooth.....   | 2               |                   |            |
| Croup, wide, muscular.....  | 3               |                   |            |
| Thighs, deep, heavily muscled.....  | 4               |                   |            |
| Stifles, strong, muscular.....  | 2               |                   |            |
| Gaskins (or lower thighs), wide, muscular.....  | 2               |                   |            |
| Hocks, clean cut, wide, straight, strong.....   | 8               |                   |            |
| Cannons, short, wide; tendons large, set back.....  | 2               |                   |            |
| Fetlocks, wide, straight, strong.....   | 1               |                   |            |
| Pasterns, strong, sloping, lengthy.....   | 2               |                   |            |
| Feet, size large, even; horn dense; color dark; sole concave; bars strong; frog large, elastic; heel wide, one-half length of toe and vertical to ground..... | 6               |                   |            |
| Total.....  | 100             |                   |            |

## MULES.

State Agricultural and Mechanical College of the University of Tennessee.

|  | Scale of points. | Perfect score. | Student's score. |
|--|------------------|----------------|------------------|
| A. General appearance:   |                  |                |                  |
| 1. Weight, 900-1,200 pounds; age, —; color, —  |                  | 4              |                  |
| 2. Height, 14 hands and up; estimated, — hands; actual, — hands  |                  | 4              |                  |
| 3. Conformation, symmetrical, smooth   |                  | 4              |                  |
| 4. Quality, bones clean; tendons defined; skin and hair fine   |                  | 4              |                  |
| 5. Action, step smooth, long, active; trot rapid, straight, regular  |                  | 20             |                  |
| 6. Temperament, energetic; good disposition  |                  | 4              |                  |
| B. Head and neck:  |                  |                |                  |
| 7. Head, well defined; size medium   |                  | 1              |                  |
| 8. Muzzle, fine; nostrils large; lips thin and corresponding   |                  | 1              |                  |
| 9. Eyes, full, bright, clear   |                  | 1              |                  |
| 10. Forehead, flat, broad, full  |                  | 1              |                  |
| 11. Ears, large, well carried, tapering  |                  | 1              |                  |
| 12. Neck, muscled, crested; throatlatch defined; windpipe large  |                  | 1              |                  |
| C. Fore quarters:  |                  |                |                  |
| 13. Shoulder, long, sloping, well muscled  |                  | 2              |                  |
| 14. Arm, short, muscled, thrown well forward and backward; forearm well muscled, long, wide                  |                  | 3              |                  |
| 15. Knees, wide, clean, straight, deep, well supported; cannons short, wide; tendons well defined            |                  | 4              |                  |
| 16. Fetlocks, wide, straight, strong; pasterns short, clean, straight, angle with ground 45 degrees          |                  | 4              |                  |
| 17. Feet, size medium, even; horn dense; sole concave; bars strong; frog prominent, elastic; heel wide, high |                  | 6              |                  |
| 18. Withers, smooth, well muscled, continuous with neck and back   |                  | 2              |                  |
| D. Body:   |                  |                |                  |
| 19. Chest, deep, low; girth large  |                  | 1              |                  |
| 20. Ribs, long, sprung, close  |                  | 2              |                  |
| 21. Back, straight, short, well muscled  |                  | 2              |                  |
| 22. Loins, wide, short, thick  |                  | 2              |                  |
| 23. Underline, long; flank low   |                  | 1              |                  |
| E. Hind quarters:  |                  |                |                  |
| 24. Hip, smooth, wide, level; croup wide, muscular   |                  | 4              |                  |
| 25. Tail, attached high, well carried  |                  | 1              |                  |
| 26. Thighs, long, well muscled, open angled  |                  | 2              |                  |
| 27. Quarters, heavily muscled, deep  |                  | 2              |                  |
| 28. Gaskin, wide, muscled  |                  | 2              |                  |
| 29. Hocks, wide, well defined, strongly supported, straight; cannons short, wide; tendons set back           |                  | 9              |                  |
| 30. Fetlocks, wide, straight; pasterns, short, angle with ground 55 degrees                                  |                  | 5              |                  |
| 31. Feet, medium size, even; horn dense; frog prominent, elastic; bars strong; sole concave; heel high, wide |                  | 4              |                  |
| Total  |                  | 100            |                  |

## BEEF CATTLE.

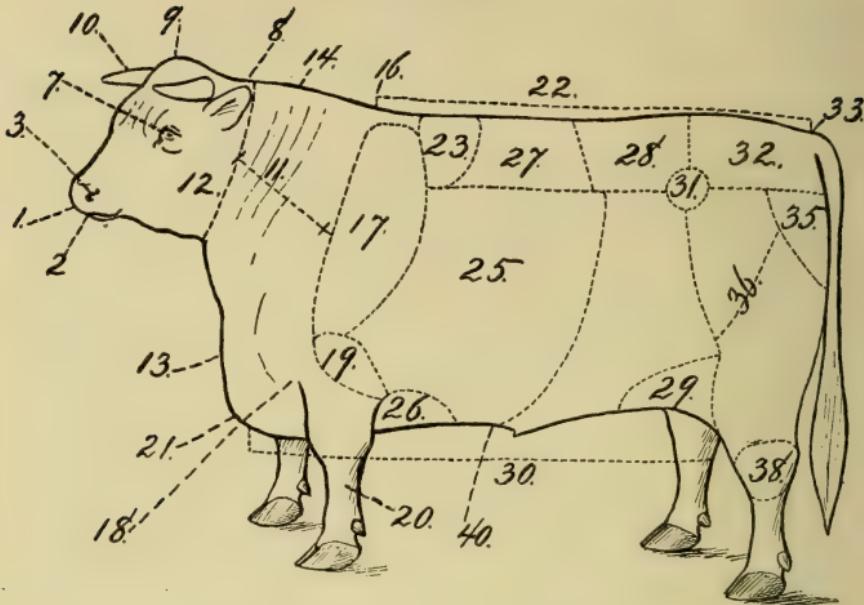


FIG. 2.—Points of beef cattle, side view.

|             |                            |                                     |   |
|-------------|----------------------------|-------------------------------------|---|
| 1. Muzzle.  | 13. Dewlap.                | 23. Crops.                          | 31. Hip, point of hip,<br>hook, or hook bone. |
| 2. Mouth.   | 14. Top of neck, or crest. | 25. Ribs, or barrel.                | 32. Rump.                                     |
| 3. nostril. | 16. Top of shoulder.       | 26. Fore flank.                     | 33. Tailhead.                                 |
| 7. Eye.     | 17. Shoulder.              | 27. Back, or chine.                 | 35. Buttocks.                                 |
| 8. Ear.     | 18. Point of shoulder.     | 28. Loin.                           | 36. Thigh.                                    |
| 9. Poll.    | 19. Arm.                   | 29. Hind flank.                     | 38. Hock.                                     |
| 10. Horn.   | 20. Shank.                 | 30. Underline, or bot-<br>tom line. | 40. Navel.                                    |
| 11. Neck.   | 21. Brisket.               |                                     |   |
| 12. Throat. | 22. Topline.               |                                     |   |

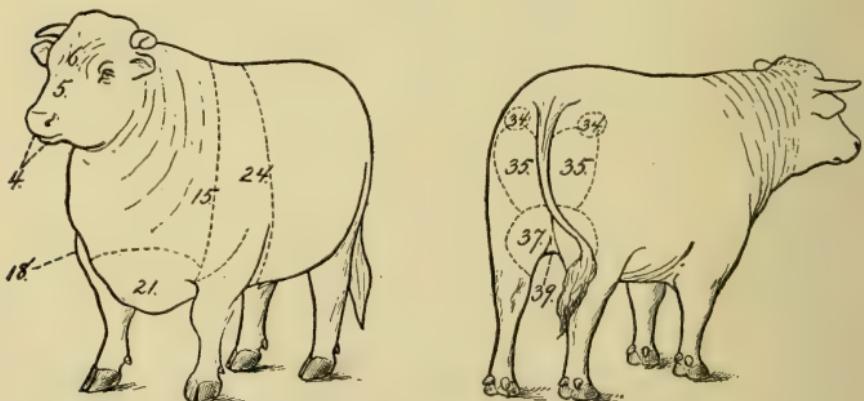


FIG. 3.—Points of beef cattle, front and rear views.

|              |                                  |              |               |
|--------------|----------------------------------|--------------|---------------|
| 4. Lips.     | 15. Neck vein, or shoulder vein. | 21. Brisket. | 35. Buttocks. |
| 5. Face.     | 18. Point of shoulder.           | 24. Girth.   | 37. Twist.    |
| 6. Forehead. | 34. Pin bones.                   | 39. Purse.   |               |

## Alabama Polytechnic Institute.

| Scale of points.   | Possible score. | Student's score. | Judge's score. |
|--|-----------------|------------------|----------------|
| General appearance:  |                 |                  |                |
| Weight, score according to age.....  | 10              |                  |                |
| Form, straight, deep, broad, low set, stylish; top and underline parallel.....           | 10              |                  |                |
| Quality, firm handling; hair fine; skin pliable; bone dense; evenly fleshed.....         | 10              |                  |                |
| Condition, deep, even covering of firm flesh, especially in region of valuable cuts..... | 10              |                  |                |
| Objections, undersize; unequal development; too fine bone; patchiness.                   |                 |                  |                |
| Head and neck:   |                 |                  |                |
| Muzzle, broad, moist; mouth large; jaw wide; nostrils large.....                         | 1               |                  |                |
| Eyes, large, clear, placid.....  | 1               |                  |                |
| Face, short, quiet, expressive.....  | 1               |                  |                |
| Forehead, broad, full.....   | 1               |                  |                |
| Ears, size medium; texture fine.....   | 1               |                  |                |
| Horns, oval; texture fine; size medium.....  | 1               |                  |                |
| Neck, short, thick; chest clean.....   | 1               |                  |                |
| Objections, coarse or slim head.   |                 |                  |                |
| Fore quarters:   |                 |                  |                |
| Shoulder vein, full, meeting shoulders well.....   | 2               |                  |                |
| Shoulder, covered with flesh, medium broad above.....                                    | 2               |                  |                |
| Brisket, advanced; breast wide.....  | 1               |                  |                |
| Dewlap, skin not too loose and drooping.....   | 1               |                  |                |
| Legs, straight, short; arm full; shank fine, smooth.....                                 | 2               |                  |                |
| Objections, coarse or high shoulder points; narrow breast.                               |                 |                  |                |
| Body:  |                 |                  |                |
| Chest, full, deep, wide; girth large; crops full.....                                    | 4               |                  |                |
| Ribs, long, arched, thickly fleshed.....   | 8               |                  |                |
| Back, broad, straight, smooth, even.....   | 10              |                  |                |
| Loin, thick, broad.....  | 8               |                  |                |
| Flank, full, even with underline.....  | 2               |                  |                |
| Objections, narrow, shallow chest; thin loin; flat ribs; narrow back.                    |                 |                  |                |
| Hind quarters:   |                 |                  |                |
| Hips, smoothly covered; distance apart in proportion to other parts.....                 | 2               |                  |                |
| Rump, long, wide, even; tailhead smooth, not patchy.....                                 | 2               |                  |                |
| Pin bones, not prominent, far apart.....   | 1               |                  |                |
| Thighs, full, deep, wide.....  | 2               |                  |                |
| Twist, full, deep, plump.....  | 2               |                  |                |
| Purse, full, indicating fleshiness.....  | 2               |                  |                |
| Legs, straight, short; shank fine, smooth.....   | 2               |                  |                |
| Total .....  | 100             |                  |                |

## The State Agricultural College of Colorado.

| Scale of points.   | Perfect score. |
|--|----------------|
| General appearance:  |                |
| Weight, score according to age .....   | 6              |
| Form, topline and underline straight, deep, broad, low set, stylish .....                  | 10             |
| Quality, firm handling; hair fine; skin pliable; bone dense; evenly fleshed .....          | 10             |
| Condition, deep, even covering of firm flesh, especially in regions of valuable cuts ..... | 10             |
| Head and neck:   |                |
| Muzzle, broad; mouth large; jaw wide; nostrils large .....                                 | 1              |
| Eyes, large, clear, placid .....   | 1              |
| Face, short; expression quiet .....  | 1              |
| Forehead, broad, full .....  | 1              |
| Ears, size medium; texture fine .....  | 1              |
| Horns, oval; texture fine; size medium .....   | 1              |
| Neck, thick, short; throat clean .....   | 1              |
| Fore quarters:   |                |
| Shoulder vein, full .....  | 2              |
| Shoulder, covered with flesh, compact on top, smooth .....                                 | 2              |
| Brisket, advanced; breast wide .....   | 1              |
| Dewlap, skin not too loose and drooping .....  | 1              |
| Legs, straight, short; arm full; shank fine, smooth .....                                  | 2              |
| Body:  |                |
| Chest, full, deep, wide; girth large; crops full .....                                     | 8              |
| Ribs, long, arched, thickly fleshed .....  | 8              |
| Back, broad, straight, smooth, even .....  | 10             |
| Loin, thick, broad .....   | 8              |
| Flank, full, even with underline .....   | 2              |
| Hind quarters:   |                |
| Hips, smoothly covered; distance apart in proportion with other parts .....                | 2              |
| Rump, long, wide, even; tail head smooth, not patchy .....                                 | 2              |
| Pin bones, not prominent, far apart .....  | 1              |
| Thighs, full, deep, wide .....   | 2              |
| Twist, deep, plump .....   | 2              |
| Purse, full, indicating fleshiness .....   | 2              |
| Legs, straight, short; shank fine, smooth .....  | 2              |
| Total .....  | 100            |

## College of Agriculture of the University of Illinois.

| Scale of points.  | Possible score. | Student's score. | Corrected. |
|---|-----------------|------------------|------------|
| General appearance—40 points:   |                 |                  |            |
| Weight, estimated, — pounds; actual, — pounds; according to age .....   | 10              |                  |            |
| Form, topline and underline straight, deep, broad, low set, stylish .....                                       | 10              |                  |            |
| Quality, handling firm; hair fine; skin pliable; bone dense, clean; evenly fleshed, without ties or rolls ..... | 10              |                  |            |
| Condition, deep, even covering of firm flesh, especially in region of valuable cuts .....                       | 10              |                  |            |
| Head and neck—7 points:   |                 |                  |            |
| Muzzle, mouth large; lips thin; nostrils large .....  | 1               |                  |            |
| Eyes, large, clear, placid .....  | 1               |                  |            |
| Face, short, quiet, expressive .....  | 1               |                  |            |
| Forehead, broad, full .....   | 1               |                  |            |
| Ears, size medium; texture fine .....   | 1               |                  |            |
| Neck, thick, short; throat clean .....  | 2               |                  |            |
| Fore quarters—9 points:   |                 |                  |            |
| Shoulder vein, full .....   | 2               |                  |            |
| Shoulder, covered with flesh, compact on top, snug .....  | 3               |                  |            |
| Brisket, advanced; breast wide .....  | 1               |                  |            |
| Dewlap, skin not too loose and drooping .....   | 1               |                  |            |
| Legs, straight, short; arm full; shank fine, smooth .....   | 2               |                  |            |
| Body—30 points:   |                 |                  |            |
| Chest, full, deep, wide; girth large; crops full .....  | 4               |                  |            |
| Ribs, long, arched, thickly fleshed .....   | 8               |                  |            |
| Back, broad, straight .....   | 8               |                  |            |
| Loin, thick, broad .....  | 8               |                  |            |
| Flank, full, even with underline .....  | 2               |                  |            |
| Hind quarters—14 points:  |                 |                  |            |
| Hips, smoothly covered; distance apart in proportion with other parts .....                                     | 2               |                  |            |
| Rump, long, wide, even; tail head smooth, not patchy .....  | 2               |                  |            |
| Pin bones, not prominent, far apart .....   | 1               |                  |            |
| Thighs, full .....  | 3               |                  |            |
| Twist, deep, plump, indicating fleshiness .....   | 4               |                  |            |
| Legs, straight, short; shank, fine, smooth .....  | 2               |                  |            |
| Total .....   | 100             |                  |            |

## School of Agriculture of Purdue University.

Same as the Illinois card (see p. 42), with the following exceptions: Under face, omit "quiet;" under rump, read "tailhead wide, smooth, not patchy." There are also some slight differences in phraseology.

## Iowa State College of Agriculture and the Mechanic Arts.

| Scale of points.   | Perfect score. |
|--|----------------|
| General appearance:  |                |
| 1. Weight, ____ pounds; score according to age .....   | 10             |
| 2. Form, topline and underline straight; deep, broad, low set, stylish .....                                   | 10             |
| 3. Quality, hair fine; skin pliable; bone dense, clean; firm covering of flesh without any ties or rolls ..... | 10             |
| 4. Condition, deep, even covering of firm flesh, especially in regions of valuable cuts .....                  | 10             |
| Head and neck:   |                |
| 5. Muzzle, broad; mouth large; jaw wide; nostrils large .....  | 1              |
| 6. Eyes, large, clear, placid .....  | 1              |
| 7. Face, short; expression quiet .....   | 1              |
| 8. Forehead, broad, full .....   | 1              |
| 9. Ears, size medium; texture fine .....   | 1              |
| 10. Horns, oval; texture fine; size medium .....   | 1              |
| 11. Neck, thick, short; throat clean .....   | 1              |
| Fore quarters:   |                |
| 12. Shoulder vein, full .....  | 2              |
| 13. Shoulder, covered with flesh, compact on top, smooth .....   | 2              |
| 14. Brisket, advanced; breast wide .....   | 1              |
| 15. Dewlap, skin not too loose and drooping .....  | 1              |
| 16. Legs, straight, short; arm full; shank fine, smooth .....  | 2              |
| Body:  |                |
| 17. Chest, full, deep, wide; girth large; crops full .....   | 4              |
| 18. Ribs, long, arched, thickly fleshed .....  | 8              |
| 19. Back, broad, straight, smooth, even .....  | 10             |
| 20. Loin, thick, broad .....   | 8              |
| 21. Flank, full, even with underline .....   | 2              |
| Hind quarters:   |                |
| 22. Hips, smoothly covered; distance apart in proportion with other parts .....                                | 2              |
| 23. Rump, long, wide, even; tailhead smooth, not patchy .....  | 2              |
| 24. Pin bones, not prominent, far apart .....  | 1              |
| 25. Thighs, full, deep, wide .....   | 2              |
| 26. Twist, deep, plump .....   | 2              |
| 27. Purse, full, indicating fleshiness .....   | 2              |
| 28. Legs, straight, short; shank fine, smooth .....  | 2              |
| Total .....  | 100            |

## Kansas State Agricultural College.

Same as the Iowa card (see above) for beef cattle, with the following exceptions: Under quality, read "firm handling; hair fine; skin pliable; bone dense; evenly fleshed." Under shoulder, omit "compact on top, smooth."

## Agricultural and Mechanical College of Kentucky.

Same as Iowa card (see above), except that under quality read "firm handling; hair fine; skin pliable; bone dense; evenly fleshed."

## Maryland Agricultural College.

Same as Michigan card (see p. 44), with one exception: Under twist, read "deep, full."

## Michigan State Agricultural College.

| Scale of points.  | Per-fect.  | Student's estimate. | Corrected. |
|---|------------|---------------------|------------|
| <b>General appearance:</b>  |            |                     |            |
| Age, estimated, —; corrected, —.  |            |                     |            |
| Weight, estimated, — pounds; corrected, — pounds.   |            |                     |            |
| Form, square, blocky, broad, top and bottom lines straight.....                                   | 8          |                     |            |
| Quality, hair fine, soft; skin mellow, loose, pliable, of medium thickness; bone fine, clean..... | 8          |                     |            |
| Temperament, quiet .....  | 3          |                     |            |
| Style .....   | 1          |                     |            |
|   | 20         |                     |            |
| <b>Head and neck:</b>   |            |                     |            |
| Muzzle, clean cut, fine; mouth large; lips thin; nostrils wide, open.....                         | 2          |                     |            |
| Face, short, clean, symmetrical.....  | 2          |                     |            |
| Eyes, full, bright, placid .....  | 1          |                     |            |
| Forehead, broad .....   | 1          |                     |            |
| Ears, size medium; texture fine; covered with fine hair.....                                      | 1          |                     |            |
| Horn, waxy; texture fine.....   | 1          |                     |            |
| Neck, thick, short, set firmly on shoulders.....  | 3          |                     |            |
|   | 11         |                     |            |
| <b>Fore quarters:</b>   |            |                     |            |
| Shoulder, compact, well covered with flesh.....   | 7          |                     |            |
| Chest, full, deep, thick through the heart .....  | 4          |                     |            |
| Brisket, deep, moderately projecting; breast wide.....  | 2          |                     |            |
| Legs, straight, short, wide apart, strong; bone clean; arm full .....                             | 3          |                     |            |
|   | 16         |                     |            |
| <b>Body:</b>  |            |                     |            |
| Girth, — feet, — inches.....  | 4          |                     |            |
| Crops, full .....   | 3          |                     |            |
| Ribs, well sprung, arched, deep .....   | 5          |                     |            |
| Back, broad, straight, short .....  | 5          |                     |            |
| Loin, full, thick, broad .....  | 5          |                     |            |
| Flank, full, low, thick, making underline straight .....  | 3          |                     |            |
|   | 25         |                     |            |
| <b>Hind quarters:</b>   |            |                     |            |
| Hips, wide apart, smooth .....  | 4          |                     |            |
| Rump, long, level, wide .....   | 5          |                     |            |
| Pin bones, not prominent, far apart .....   | 3          |                     |            |
| Tail, base smooth; bone fine, clean; hair of switch fine .....                                    | 2          |                     |            |
| Thigh, full, well fleshed .....   | 4          |                     |            |
| Twist, deep .....   | 5          |                     |            |
| Purse, full .....   | 2          |                     |            |
| Legs, short, straight; bone fine, clean .....   | 3          |                     |            |
|   | 28         |                     |            |
| <b>Total .....</b>  | <b>100</b> |                     |            |

## College of Agriculture of the University of Minnesota.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| General appearance:  |                  |                |
| 1. Weight, score according to age.....   |                  | 10             |
| 2. Form, topline and underline straight; deep, broad, low set, stylish.....  |                  | 10             |
| 3. Quality, hair fine; skin pliable; bone dense; flesh firm, even, deep, especially in regions of valuable cuts..... |                  | 12             |
| 4. Condition, good health; vigorous; fat abundant, evenly distributed.....   |                  | 8              |
| Head and neck:   |                  |                |
| 5. Muzzle, broad; mouth large; jaw wide; nostrils large.....   |                  | 1              |
| 6. Eyes, large, clear, placid.....   |                  | 1              |
| 7. Face, short; expression quiet.....  |                  | 1              |
| 8. Forehead, broad, full.....  |                  | 1              |
| 9. Ears, size medium; texture fine.....  |                  | 1              |
| 10. Horns, oval; texture fine; size medium.....  |                  | 1              |
| 11. Neck, thick, short; throat clean .....   |                  | 1              |
| Fore quarters:   |                  |                |
| 12. Shoulder vein, full .....  |                  | 2              |
| 13. Shoulder, covered with flesh, compact on top, smooth.....  |                  | 2              |
| 14. Brisket, advanced; breast wide .....   |                  | 1              |
| 15. Dewlap, skin not too loose and drooping.....   |                  | 1              |
| 16. Legs, straight, short; arm full; shank fine, smooth .....  |                  | 2              |
| Body:  |                  |                |
| 17. Chest, full, deep, wide; girth large; crops full .....   |                  | 4              |
| 18. Ribs, long, arched, thickly fleshed.....   |                  | 8              |
| 19. Back, broad, straight, smooth, even .....  |                  | 10             |
| 20. Loin, thick, broad.....  |                  | 8              |
| 21. Flank, full, even with underline .....   |                  | 2              |
| Hind quarters:   |                  |                |
| 22. Hips, smoothly covered; distance apart in proportion with other parts .....                                      |                  | 2              |
| 23. Rump, long, wide, even; tail head smooth, not patchy.....  |                  | 2              |
| 24. Pin bones, not prominent, far apart.....   |                  | 1              |
| 25. Thighs, full, deep, wide .....   |                  | 4              |
| 26. Twist, deep, plump.....  |                  | 1              |
| 27. Purse, full, indicating fleshiness .....   |                  | 1              |
| 28. Legs, straight, short; shank fine, smooth .....  |                  | 2              |
| Total .....  |                  | 100            |

## College of Agriculture and the Mechanic Arts of the University of Missouri.

| Scale of points.   | Perf.<br>fect. | Student's<br>estimate. | Corrected. |
|--|----------------|------------------------|------------|
| General appearance:  |                |                        |            |
| Age, estimated, —; corrected, —  |                |                        |            |
| Weight, estimated, — pounds; corrected, — pounds.  | 8              |                        |            |
| Form, square, blocky, broad; top and bottom lines straight                                   | 8              |                        |            |
| Quality, fine, soft hair; skin mellow, loose, pliable, of medium thickness; bone fine, clean | 3              |                        |            |
| Temperament, quiet   |                |                        |            |
|  | 19             |                        |            |
| Head and neck:   |                |                        |            |
| Muzzle, clean cut, fine; mouth large; lips thin; nostrils wide, open                         | 2              |                        |            |
| Face, short, not lean  | 3              |                        |            |
| Eyes, full, bright, clear  | 1              |                        |            |
| Forehead, broad, full, high  | 1              |                        |            |
| Ears, size medium; texture fine; covered with fine hair                                      | 1              |                        |            |
| Horn, waxy; texture fine   | 1              |                        |            |
| Neck, thick, short, set firmly on shoulders  | 3              |                        |            |
|  | 12             |                        |            |
| Fore quarters:   |                |                        |            |
| Shoulder vein, full  | 3              |                        |            |
| Shoulder, compact, well covered with flesh   | 3              |                        |            |
| Chest, full, deep, thick through the heart   | 5              |                        |            |
| Brisket, deep, moderately projecting; breast wide  | 1              |                        |            |
| Legs, straight, short, wide apart; bone strong, clean; arm full                              | 3              |                        |            |
|  | 15             |                        |            |
| Body:  |                |                        |            |
| Girth, large; estimated, —; corrected, —   | 4              |                        |            |
| Crops, full  | 3              |                        |            |
| Ribs, well sprung, arched, deep, thick fleshed   | 5              |                        |            |
| Back, broad, straight, short   | 5              |                        |            |
| Loin, full, thick, broad   | 6              |                        |            |
| Flank, full, low, thick, making underline straight   | 4              |                        |            |
|  | 27             |                        |            |
| Hind quarters:   |                |                        |            |
| Hips, wide apart, smooth   | 4              |                        |            |
| Rump, long, level, wide  | 5              |                        |            |
| Pin bones, not prominent, far apart  | 3              |                        |            |
| Tail, base smooth; bone fine, clean; hair of switch fine                                     | 3              |                        |            |
| Thigh, full, well fleshed  | 4              |                        |            |
| Twist, deep  | 5              |                        |            |
| Legs, short, straight; bone fine, clean  | 3              |                        |            |
|  | 27             |                        |            |
| Total  | 100            |                        |            |

## New Hampshire College of Agriculture and the Mechanic Arts.

| Scale of points.   | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| A. General appearance:   |                |                   |            |
| Weight, estimated, — pounds; actual, — pounds; score according to age.       | 5              |                   |            |
| Form, topline and underlines straight; deep, broad, low set.                 | 8              |                   |            |
| Quality, handling firm; hair fine; skin pliable; bone dense; evenly fleshed. | 8              |                   |            |
| Style, active, upstanding.   | 1              |                   |            |
| Temperament.   | 5              |                   |            |
| B. Head and neck:  |                |                   |            |
| Muzzle, fine; mouth large; lips thin; nostrils large.                        | 1              |                   |            |
| Eyes, large, clear, placid.  | 1              |                   |            |
| Face, short; expression quiet.   | 1              |                   |            |
| Forehead, broad, full.   | 1              |                   |            |
| Ears, size medium; texture fine.   | 1              |                   |            |
| Neck, thick, short; throat clean.  | 2              |                   |            |
| C. Fore quarters:  |                |                   |            |
| Shoulder vein, full.   | 3              |                   |            |
| Shoulder, covered with flesh, compact on top, snug.                          | 4              |                   |            |
| Brisket, advanced; breast wide.  | 2              |                   |            |
| Dewlap, skin not too loose and drooping.                                     | 1              |                   |            |
| Legs, straight, short; arm full; shank fine, smooth.                         | 3              |                   |            |
| D. Body:   |                |                   |            |
| Chest, full, deep, wide; girth large; crops full.                            | 10             |                   |            |
| Ribs, long, arched, thickly fleshed.   | 5              |                   |            |
| Back, broad, straight.   | 6              |                   |            |
| Loin, thick, broad.  | 5              |                   |            |
| Flank, full, even with underline.  | 3              |                   |            |
| E. Hind quarters:  |                |                   |            |
| Hips, smoothly covered; distance apart in proportion with other parts.       | 4              |                   |            |
| Rump, long, even, wide; tailhead smooth, not patchy.                         | 5              |                   |            |
| Pin bones, not prominent, far apart.   | 3              |                   |            |
| Thighs, full.  | 3              |                   |            |
| Twist, deep, plump.  | 4              |                   |            |
| Purse, full, indicating fleshiness.  | 2              |                   |            |
| Legs, straight, short; shank fine, smooth.                                   | 3              |                   |            |
| Total.   | 100            |                   |            |

## New Mexico College of Agriculture and Mechanic Arts.

Same as the Iowa card (see p. 43) for beef cattle, with the following exception: Under quality, read "firm handling; hair fine; skin pliable; bone dense; evenly fleshed."

## North Carolina College of Agriculture and Mechanic Arts.

Same as the New Hampshire card (see above) for beef cattle.

## North Dakota Agricultural College.

| Scale of points. <sup>a</sup>  | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| <b>General appearance:</b>   |                |                   |            |
| Weight, estimated, — pounds; according to age .....                              | 6              |                   |            |
| Form, topline and underline straight; deep, broad, low, set, stylish .....       | 8              |                   |            |
| Quality, handling firm; hair fine; skin pliable; bone dense; evenly fleshed..... | 8              |                   |            |
| Temperament, quiet .....   | 5              |                   |            |
| <b>Head and neck:</b>  |                |                   |            |
| Muzzle, mouth large; lips thin; nostrils large.....                              | 1              |                   |            |
| Eyes, large, clear, placid .....   | 1              |                   |            |
| Face, short; expression quiet.....   | 1              |                   |            |
| Forehead, broad, full.....   | 1              |                   |            |
| Ears, size medium; texture fine.....   | 1              |                   |            |
| Neck, thick, short; throat clean.....  | 2              |                   |            |
| <b>Fore quarters:</b>  |                |                   |            |
| Shoulder vein, full .....  | 3              |                   |            |
| Shoulder, covered with flesh, compact on top, snug .....                         | 4              |                   |            |
| Brisket, advanced; breast wide.....  | 2              |                   |            |
| Dewlap, skin not too loose and drooping.....                                     | 1              |                   |            |
| Legs, straight, short; arm full; shank fine, smooth.....                         | 3              |                   |            |
| <b>Body:</b>   |                |                   |            |
| Chest, full, deep, wide; girth large; crops full .....                           | 8              |                   |            |
| Ribs, long, arched, thickly fleshed.....   | 6              |                   |            |
| Back, broad, straight.....   | 6              |                   |            |
| Loins, thick, broad.....   | 5              |                   |            |
| Flank, full, even with underline.....  | 4              |                   |            |
| <b>Hind quarters:</b>  |                |                   |            |
| Hips, smoothly covered; distance apart in proportion with other parts .....      | 4              |                   |            |
| Rump, long, even, wide; tailhead smooth, not patchy .....                        | 5              |                   |            |
| Pin bones, not prominent, far apart.....   | 3              |                   |            |
| Thighs, full .....   | 3              |                   |            |
| Twist, deep, plump.....  | 4              |                   |            |
| Purse, full, indicating fleshiness .....   | 2              |                   |            |
| Legs, straight, short; shank fine, smooth .....                                  | 3              |                   |            |
| <b>Total.....</b>  | <b>100</b>     |                   |            |

<sup>a</sup> After Craig.

## The College of Agriculture and Domestic Science, Ohio State University.

| Scale of points.   | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| Measurements:  |                |                   |            |
| Height, at withers, — hands; height at sternum, — hands.   |                |                   |            |
| Heart girth, —; length of body, —.   |                |                   |            |
| Weight, estimated, — pounds; actual, — pounds.   |                |                   |            |
| A. General appearance:   |                |                   |            |
| Size, score according to age and breed; mature bulls, 2,000; mature cows, 1,600; 30-month steers, 1,500 pounds.  | 8              |                   |            |
| Form, body resembling parallelogram; long, broad, deep, low; topline and underline straight; equally and smoothly developed throughout; symmetrical.   | 8              |                   |            |
| Quality, hair, soft, silky, assuming a thick furry character in winter, not coarse, wiry, or harsh; skin rather thick, pliable to touch, not papery, covering a mellow elastic cushion of evenly distributed flesh; bone dense, clean. | 10             |                   |            |
| Constitution and temperament, vigorous, but mild and quiet; carriage graceful; step firm; bulls showing masculinity and individuality; cows showing femininity and refinement.   | 4              |                   |            |
| B. Head:   |                |                   |            |
| Size, medium; parts well defined; substantial; face rather short.  | 1              |                   |            |
| Muzzle, broad, full; mouth and nostril large.  | 1              |                   |            |
| Eyes, large, clear, placid, wide apart.  | 1              |                   |            |
| Forehead, broad, only moderately dished; in bulls preferably full.   | 1              |                   |            |
| Horns, texture good; neat, but strong, typical of breed.   | 1              |                   |            |
| Ears, size and texture medium; broad rather than long; under good control.   | 1              |                   |            |
| C. Fore quarters:  |                |                   |            |
| Neck, thick, short, insensibly joining the body at all points; throat clean; bulls showing decided crest.  | 3              |                   |            |
| Shoulders, not too prominent; blades well covered with flesh and not too upright; compact on top.  | 4              |                   |            |
| Breast, broad, deep; brisket advanced; dewlap not too loose and drooping.  | 3              |                   |            |
| Legs, short, straight, well placed; arm full; shank fine.  | 2              |                   |            |
| D. Body:   |                |                   |            |
| Chest, deep, wide, full; heart girth large; crops filling up even behind shoulders; sternum level, full; stomach not too prominent, making underline straight.   | 10             |                   |            |
| Back, broad, level, straight, well covered with flesh; spinal column not evident.  | 8              |                   |            |
| Loin, broad, level, straight, well covered with flesh.   | 6              |                   |            |
| Ribs, long, convex, close, thickly fleshed, not evident.   | 4              |                   |            |
| Flanks, full, thick, low, even with underline.   | 3              |                   |            |
| E. Hind quarters:  |                |                   |            |
| Hips, wide apart but not prominent, especially in bulls; well and smoothly covered.  | 4              |                   |            |
| Rump, long, wide, well covered with flesh so as to carry straight lines from hips to tailhead and to pin bones; pin bones good distance apart, but not prominent or patchy.  | 8              |                   |            |
| Tail, flat and broad at root, fitting closely and smoothly to back line; fine.   | 1              |                   |            |
| Thighs, carrying large amount of flesh, as indicated by width, thickness, and by well descended, square, upright or slightly rounded bullocks and low twist; in steers, purse full, indicating fleshiness.                             | 5              |                   |            |
| Legs, straight, short; shank fine; standing firmly on feet; proper distance apart.   | 3              |                   |            |
| Total .....  | 100            |                   |            |

## Oklahoma Agricultural and Mechanical College.

| Scale of points.   | Possible score. | Name of animal. |
|--|-----------------|-----------------|
| General appearance—40 points:<br>Weight, 12 months, 800 pounds; 18 months, 1,100 pounds; 24 months, 1,300 pounds; 36 months, 1,700 pounds. Estimated, — pounds; actual — pounds; score according to age —. | 10              |                 |
| Form, topline and underline straight; deep, broad, low set, stylish.   | 10              |                 |
| Quality, firm handling; hair fine; skin pliable; bone dense, clean; evenly fleshed, without ties or rolls.   | 10              |                 |
| Condition, deep, even covering of firm flesh, especially in region of valuable cuts.   | 10              |                 |
| Head and neck—7 points:<br>Muzzle, broad; lips moderately thin; nostrils large.  | 1               |                 |
| Eyes, large, clear, placid.  | 1               |                 |
| Face, short; expression quiet.   | 1               |                 |
| Forehead, broad, full.   | 1               |                 |
| Ears, size medium; texture fine.   | 1               |                 |
| Neck, thick, short; throat clean.  | 2               |                 |
| Fore quarters—9 points:<br>Shoulder vein, full.  | 2               |                 |
| Shoulder, covered with flesh, compact on top, smooth.  | 3               |                 |
| Brisket, advanced; breast wide.  | 1               |                 |
| Dewlap, skin not too loose and drooping.   | 1               |                 |
| Legs, straight, short; arm full; shank fine, smooth.   | 2               |                 |
| Body—30 points:<br>Chest, wide, deep, full; girth large; crops full.   | 4               |                 |
| Ribs, long, arched, thickly fleshed.   | 8               |                 |
| Back, broad, straight, smooth.   | 8               |                 |
| Loin, thick, broad, extending well forward.  | 8               |                 |
| Flank, full, even with underline.  | 2               |                 |
| Hind quarters—14 points:<br>Hips, smoothly covered; distance apart in proportion to other parts.   | 2               |                 |
| Rump, long, wide, even; tailhead smooth, not patchy.   | 2               |                 |
| Pin bones, not prominent, far apart.   | 1               |                 |
| Thighs, full, wide.  | 3               |                 |
| Twist, plump, deep; purse in steers full, indicating fleshiness.   | 4               |                 |
| Legs, straight, short; shank fine, smooth.   | 2               |                 |
| Total  | 100             |                 |

## Oregon State Agricultural College.

| Scale of points.  | Possible score. | Student's estimate. | Corrected. |
|---|-----------------|---------------------|------------|
| 1. Weight, estimated, — pounds; actual, — pounds.                               | 6               |                     |            |
| 2. Form, topline and underline straight; deep, broad, low set.                  | 8               |                     |            |
| 3. Quality, firm handling; hair fine; skin pliable; bone dense; evenly fleshed. | 8               |                     |            |
| 4. Style, active, upstanding.   | 1               |                     |            |
| 5. Temperament.   | 5               |                     |            |
| 6. Muzzle, fine; mouth large; lips thin; nostrils large.                        | 1               |                     |            |
| 7. Eyes, large, clear, placid.  | 1               |                     |            |
| 8. Face, short; expression quiet.   | 1               |                     |            |
| 9. Forehead, broad, full.   | 1               |                     |            |
| 10. Ears, size medium; texture fine.  | 1               |                     |            |
| 11. Neck, thick, short; throat clean.   | 2               |                     |            |
| 12. Shoulder vein, full.  | 3               |                     |            |
| 13. Shoulders, covered with flesh, compact on top, snug.                        | 4               |                     |            |
| 14. Brisket, advanced; breast wide.   | 2               |                     |            |
| 15. Dewlap, skin not too loose and drooping.                                    | 1               |                     |            |
| 16. Legs, straight, short; arm full; shank fine, smooth.                        | 3               |                     |            |
| 17. Chest, full, deep, wide; girth large; crops full.                           | 10              |                     |            |
| 18. Ribs, long, arched, thickly fleshed.  | 5               |                     |            |
| 19. Back, broad, straight.  | 6               |                     |            |
| 20. Loin, thick, broad.   | 6               |                     |            |
| 21. Flank, full, even with underline.   | 2               |                     |            |
| 22. Hips, smoothly covered; distance apart in proportion with other parts.      | 4               |                     |            |
| 23. Rump, long, even, wide; tailhead smooth, not patchy.                        | 5               |                     |            |
| 24. Pin bones, not too prominent, far apart, level.                             | 3               |                     |            |
| 25. Thighs, full.   | 4               |                     |            |
| 26. Twist, deep, plump.   | 4               |                     |            |
| 27. Legs, straight, short; shank fine, smooth.                                  | 3               |                     |            |
| Total   | 100             |                     |            |

## The Pennsylvania State College.

| Scale of points.   | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| <b>General appearance:</b>   |                |                   |            |
| Weight, estimated, — pounds, according to age .....                              | 6              |                   |            |
| Form, topline and underline straight; deep, broad, low set, stylish .....        | 8              |                   |            |
| Quality, firm handling; hair fine; skin pliable; bone dense; evenly fleshed..... | 8              |                   |            |
| Temperament, quiet .....   | 5              |                   |            |
| <b>Head and neck:</b>  |                |                   |            |
| Muzzle, mouth large; lips thin; nostrils large .....                             | 1              |                   |            |
| Eyes, large, clear, placid .....   | 1              |                   |            |
| Face, short; expression quiet .....  | 1              |                   |            |
| Forehead, broad, full .....  | 1              |                   |            |
| Ears, size medium; texture fine .....  | 1              |                   |            |
| Neck, thick, short; throat clean .....   | 2              |                   |            |
| <b>Fore quarters:</b>  |                |                   |            |
| Shoulder vein, full .....  | 3              |                   |            |
| Shoulder, covered with flesh, compact on top, snug .....                         | 4              |                   |            |
| Brisket, advanced; breast wide .....   | 2              |                   |            |
| Dewlap, skin not too loose and drooping .....                                    | 1              |                   |            |
| Legs, straight, short; arm full; shank fine, smooth .....                        | 3              |                   |            |
| <b>Body:</b>   |                |                   |            |
| Chest, full, deep, wide; girth large; crops full .....                           | 8              |                   |            |
| Ribs, long, arched, thickly fleshed .....  | 6              |                   |            |
| Back, broad, straight .....  | 6              |                   |            |
| Loin, thick, broad .....   | 5              |                   |            |
| Flank, full, even with underline .....   | 4              |                   |            |
| <b>Hind quarters:</b>  |                |                   |            |
| Hips, smoothly covered; distance apart in proportion with other parts .....      | 4              |                   |            |
| Rump, long, even, wide; tailhead smooth, not patchy .....                        | 5              |                   |            |
| Pin bones, not prominent, far apart .....  | 3              |                   |            |
| Thighs, full .....   | 3              |                   |            |
| Twist, deep, plump .....   | 4              |                   |            |
| Purse, full, indicating fleshiness .....   | 2              |                   |            |
| Legs, straight, short; shank fine, smooth .....                                  | 3              |                   |            |
| <b>Total</b> .....   | 100            |                   |            |

## South Dakota Agricultural College.

Same as the Iowa card (see p. 43) for beef cattle.

## State Agricultural and Mechanical College of the University of Tennessee.

|  | Scale of points. | Possible score. | Student's score. |
|--|------------------|-----------------|------------------|
| A. General appearance:   |                  |                 |                  |
| 1. Estimated weight, — pounds; actual, — pounds.....   |                  | 5               |                  |
| 2. Weight, according to age; yearling, 800; two-year, 1,200.....                               |                  | 6               |                  |
| 3. Form, deep, broad, low set; with straight topline and underline.....                        |                  | 6               |                  |
| 4. Quality, hair fine; skin pliable; bone dense; all parts evenly covered with firm flesh..... |                  | 1               |                  |
| 5. Style, active, sprightly.....   |                  | 4               |                  |
| 6. Temperament, neither sluggish nor wild.....   |                  | 4               |                  |
| 7. Constitution, vigorous, robust, showing size and substance.....                             |                  | 4               |                  |
| B. Head and neck:  |                  |                 |                  |
| 8. Muzzle, fine; mouth large; lips thin; nostrils large.....                                   |                  | 1               |                  |
| 9. Eyes, large, clear, placid.....   |                  | 1               |                  |
| 10. Face, short; expression quiet.....   |                  | 1               |                  |
| 11. Forehead, broad, full.....   |                  | 1               |                  |
| 12. Ears, medium in size and fine in texture.....  |                  | 1               |                  |
| 13. Neck, thick, short; throat clean.....  |                  | 2               |                  |
| C. Fore quarters:  |                  |                 |                  |
| 14. Shoulder vein, full.....   |                  | 3               |                  |
| 15. Shoulders, smooth, well fleshed, compact on top.....                                       |                  | 4               |                  |
| 16. Brisket, extending well forward; breast wide.....  |                  | 2               |                  |
| 17. Dewlap, light.....   |                  | 1               |                  |
| 18. Legs, straight, short; arm full; shank fine, smooth.....                                   |                  | 3               |                  |
| D. Body:   |                  |                 |                  |
| 19. Chest, full, deep, wide; girth large; crops full.....                                      |                  | 10              |                  |
| 20. Ribs, long, well arched, thickly fleshed.....  |                  | 5               |                  |
| 21. Back, broad, straight.....   |                  | 6               |                  |
| 22. Loin, thick, broad.....  |                  | 5               |                  |
| 23. Flank full, even with underline.....   |                  | 3               |                  |
| E. Hind quarters:  |                  |                 |                  |
| 24. Hips, smooth, proportionately wide.....  |                  | 4               |                  |
| 25. Rump, long, even, wide; tailhead smooth.....   |                  | 5               |                  |
| 26. Pin bones, smooth, well set apart.....   |                  | 3               |                  |
| 27. Thighs, full.....  |                  | 3               |                  |
| 28. Twist, deep, plump.....  |                  | 4               |                  |
| 29. Purse, full.....   |                  | 2               |                  |
| 30. Legs, straight, short; shank fine, smooth.....   |                  | 3               |                  |
| 31. Tail, fine.....  |                  | 1               |                  |
| Total.....   |                  | 100             |                  |

## State Agricultural and Mechanical College of the University of Tennessee.

|   | Scale of points. | Perfect score. | Student's score. |
|---|------------------|----------------|------------------|
| I. Primary considerations:  |                  |                |                  |
| 1. Weight, — pounds   |                  |                |                  |
| 2. Size and substance, for age  |                  | 3              |                  |
| 3. Style, attractive, sprightly; breeding apparent  |                  | 4              |                  |
| 4. Appearance, square, blocky, rectangular  |                  | 4              |                  |
| 5. Quality, skin thin, loose, elastic, mellow; flesh firm; hair soft, fine, silky                         |                  | 5              |                  |
| II. Nervous energy:   |                  |                |                  |
| 6. Temperament, active, controlled  |                  | 5              |                  |
| 7. Eyes, large, clear, bright, mild, placid, free from white  |                  | 6              |                  |
| 8. Forehead, broad, high  |                  | 3              |                  |
| 9. Ears, broad, thin, active  |                  | 2              |                  |
| 10. Spinal column, long, well covered   |                  | 6              |                  |
| 11. Navel, large, defined   |                  | 2              |                  |
| III. Structural anatomy:  |                  |                |                  |
| 12. Contour, clean-cut, smooth, correlated, symmetrical, free from patchiness and offal                   |                  | 2              |                  |
| 13. Head, medium in size; muzzle refined; mouth large; face short   |                  | 1              |                  |
| 14. Neck, full, medium length, cylindrical; throat clean; dewlap light                                    |                  | 1              |                  |
| 15. Withers, broad on top, well fleshed; shoulder well covered, slanting                                  |                  | 1              |                  |
| 16. Back, straight, strong, well covered  |                  | 2              |                  |
| 17. Loin, broad, strong, well covered   |                  | 3              |                  |
| 18. Pelvic arch, suppressed, well covered; pin bones wide   |                  | 2              |                  |
| 19. Flank, low; twist full; thigh full, recurved  |                  | 1              |                  |
| 20. Bones, medium; joints fine, flat; horns small, waxy; tail long, bone fine                             |                  | 2              |                  |
| IV. Digestion and assimilation:   |                  |                |                  |
| 21. Nostrils, medium-sized, clear, bright   |                  | 1              |                  |
| 22. Breast and brisket, prominent, full, low  |                  | 1              |                  |
| 23. Chest, wide, deep, long; girth large  |                  | 8              |                  |
| 24. Barrel, medium long, broad, cylindrical, deep, capacious  |                  | 9              |                  |
| 25. Ribs, flat, close together, well sprung   |                  | 3              |                  |
| 26. False ribs, well developed  |                  | 3              |                  |
| V. Essential qualities:   |                  |                |                  |
| 27. Straight top, side, and bottom lines; large girths at flank; navel and loin of about equal dimensions |                  | 4              |                  |
| 28. Close conformation; evenly and deeply covered with firm, springy flesh, free from patchiness          |                  | 6              |                  |
| 29. Muscular and meaty, in loin and hind quarter  |                  | 4              |                  |
| 30. Good size and weight, for age, indicating early maturity  |                  | 3              |                  |
| 31. Constitution, good; bone sufficient for weight  |                  | 3              |                  |
| Total   |                  | 100            |                  |

## Agricultural College of Utah.

| Scale of points.  | Score.         |            |            |
|---|----------------|------------|------------|
|   | Stand-<br>ard. | Student's. | Corrected. |
| <b>General appearance:</b>  |                |            |            |
| Age, estimated, —; corrected, —   |                |            |            |
| Weight, estimated, — pounds; corrected, — pounds; score according to age    | 4              |            |            |
| Form, topline and underline straight; deep, broad, low set, stylish         | 10             |            |            |
| Quality, firm handling; hair fine; skin pliable; bone dense; evenly fleshed | 10             |            |            |
| Temperament, quiet  | 4              |            |            |
| <b>Head and neck:</b>   |                |            |            |
| Muzzle, clean cut, fine; mouth large; lips thin; nostrils large             | 1              |            |            |
| Eyes, large, clear, placid  | 1              |            |            |
| Face, short, not lean; expression quiet                                     | 1              |            |            |
| Forehead, broad, full   | 1              |            |            |
| Ears, size medium; texture fine   | 1              |            |            |
| Neck, thick, short; throat clean  | 2              |            |            |
| <b>Fore quarters:</b>   |                |            |            |
| Shoulder vein, full   | 3              |            |            |
| Shoulder, covered with flesh, compact on top, snug                          | 3              |            |            |
| Withers, wide, level  | 1              |            |            |
| Brisket, advanced; breast wide  | 2              |            |            |
| Dewlap, skin not too loose and drooping, mellow                             | 1              |            |            |
| Legs, straight, short; arm full; shank fine, smooth; wide apart             | 2              |            |            |
| <b>Body:</b>  |                |            |            |
| Chest, full, deep, wide; girth large; crops full                            | 8              |            |            |
| Girth, — feet, — inches   |                |            |            |
| Crops, full, filling up even behind shoulder                                | 4              |            |            |
| Ribs, long, close, arched, thickly fleshed                                  | 3              |            |            |
| Back, broad, straight, short  | 6              |            |            |
| Loin, thick, broad, full  | 5              |            |            |
| Flank, full, even with underline  | 3              |            |            |
| <b>Hind quarters:</b>   |                |            |            |
| Hip, smoothly covered; distance apart in proportion to other parts          | 4              |            |            |
| Rump, long, even, wide; tailhead smooth, not patchy                         | 5              |            |            |
| Pin bones, not prominent, far apart   | 3              |            |            |
| Thighs, full, well fleshed  | 3              |            |            |
| Twist, deep, plump  | 4              |            |            |
| Purse, full, indicating fleshiness  | 2              |            |            |
| Legs, straight, short; shanks fine, smooth                                  | 3              |            |            |
| <b>Total</b>  | 100            |            |            |

**Virginia Agricultural and Mechanical College and Polytechnic Institute.**

Same as the Iowa card (see p. 43) for beef cattle

## Washington Agricultural College and School of Science.

| Scale of Points.   | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| A. General appearance—28:  |                |                   |            |
| Weight, estimated, ____ pounds; according to age.....                            | 6              |                   |            |
| Form, topline and underline straight; deep, broad, low set.....                  | 8              |                   |            |
| Quality, handling firm; hair fine; skin pliable; bone dense; evenly fleshed..... | 8              |                   |            |
| Style, active, upstanding.....   | 1              |                   |            |
| Temperament.....   | 5              |                   |            |
| B. Head and neck—7:  |                |                   |            |
| Muzzle, fine; mouth large; lips thin; nostrils large.....                        | 1              |                   |            |
| Eyes, large, clear, placid.....  | 1              |                   |            |
| Face, short; expression quiet.....   | 1              |                   |            |
| Forehead, broad, full.....   | 1              |                   |            |
| Ears, size medium; texture fine.....   | 1              |                   |            |
| Neck, thick, short; throat clean.....  | 2              |                   |            |
| C. Fore quarters—12:   |                |                   |            |
| Shoulder vein, full.....   | 2              |                   |            |
| Shoulder, covered with flesh, compact on top, snug.....                          | 4              |                   |            |
| Brisket, advanced; breast wide.....  | 2              |                   |            |
| Dewlap, skin not too loose and drooping.....                                     | 1              |                   |            |
| Legs, straight, short; shank fine, smooth.....                                   | 3              |                   |            |
| D. Body—29:  |                |                   |            |
| Chest, full, deep, wide; girth large; crops full.....                            | 10             |                   |            |
| Ribs, long, arched, thickly fleshed.....   | 5              |                   |            |
| Back, broad, straight.....   | 6              |                   |            |
| Loin, thick, broad.....  | 5              |                   |            |
| Flank full, even with underline.....   | 3              |                   |            |
| E. Hind quarters—24:   |                |                   |            |
| Hips, smoothly covered, distance apart in proportion with other parts.....       | 4              |                   |            |
| Rump, long, even, wide; tailhead smooth, not patchy.....                         | 5              |                   |            |
| Pin bones, not prominent, far apart.....   | 3              |                   |            |
| Thighs, full.....  | 3              |                   |            |
| Twist, deep, plump.....  | 4              |                   |            |
| Purse, or udder, full, indicating fleshiness.....                                | 2              |                   |            |
| Legs, straight, short; shank fine, smooth.....                                   | 3              |                   |            |
| Total .....  | 100            |                   |            |

## College of Agriculture of the University of Wisconsin.

| Scale of points.  | Possible score. | Points deficient. |            |
|---|-----------------|-------------------|------------|
|   |                 | Student's score.  | Corrected. |
| <b>General appearance—26 points:</b>  |                 |                   |            |
| Weight, estimated, — pounds; according to age .....                             | 6               |                   |            |
| Form, topline and underline straight; deep, broad, low set .....                | 8               |                   |            |
| Quality, handling firm; hair fine; skin pliable; bone fine; evenly fleshed..... | 8               |                   |            |
| Style, active, upstanding.....  | 1               |                   |            |
| Temperament, quiet, docile.....   | 3               |                   |            |
| <b>Head and neck—8 points:</b>  |                 |                   |            |
| Muzzle, good size; mouth large; lips thin; nostrils large .....                 | 2               |                   |            |
| Eyes, large, clear, placid .....  | 1               |                   |            |
| Face, short; expression quiet .....   | 1               |                   |            |
| Forehead, broad, full .....   | 1               |                   |            |
| Ears, size medium; texture fine.....  | 1               |                   |            |
| Neck, thick, short; throat clean .....  | 2               |                   |            |
| <b>Fore quarters—13 points:</b>   |                 |                   |            |
| Shoulder vein, full .....   | 3               |                   |            |
| Shoulder, covered with flesh, compact on top, snug .....                        | 4               |                   |            |
| Breast, wide; brisket prominent .....   | 2               |                   |            |
| Dewlap, skin not too loose and drooping.....                                    | 1               |                   |            |
| Legs, straight, short; arm full; shank fine, smooth .....                       | 3               |                   |            |
| <b>Body—28 points:</b>  |                 |                   |            |
| Chest, full, deep, wide; girth large; fore flank full .....                     | 6               |                   |            |
| Crops, full, even with shoulders .....  | 3               |                   |            |
| Ribs, deep, arched, thickly fleshed .....                                       | 5               |                   |            |
| Back, broad, straight, evenly fleshed .....                                     | 6               |                   |            |
| Loin, thick, broad.....   | 5               |                   |            |
| Flank, full, even with underline.....   | 3               |                   |            |
| <b>Hind quarters—25 points:</b>   |                 |                   |            |
| Hips, smoothly covered; distance apart in proportion with other parts .....     | 4               |                   |            |
| Rump, long, even, wide; tailhead smooth, not patchy .....                       | 5               |                   |            |
| Pin bones, not prominent, far apart .....                                       | 3               |                   |            |
| Thighs, full, wide, deep.....   | 5               |                   |            |
| Twist, deep, plump.....   | 4               |                   |            |
| Purse, full, indicating fleshiness.....   | 2               |                   |            |
| Legs, straight, short; shank fine, smooth .....                                 | 2               |                   |            |
| <b>Total .....</b>  | <b>100</b>      |                   |            |

## STORE CATTLE.

Oklahoma Agricultural and Mechanical College.

| Scale of points.  | Possible score. | Name of animals. |  |  |
|---|-----------------|------------------|--|--|
| General appearance—40 points:   |                 |                  |  |  |
| Weight, estimated, — pounds; actual, — pounds; according to age .....   | 8               |                  |  |  |
| Form, topline straight; blocky, low set, in general a parallelogram, deep, broad; heart girth large, showing strong constitution; stylish; the animal should have a moderately large barrel, indicating a large capacity for storing and utilizing food ..... | 15              |                  |  |  |
| Quality, skin mellow, pliable, covered with fine, mossy hair; bone dense, clean .....   | 10              |                  |  |  |
| Condition, moderate covering of flesh, especially in region of valuable cuts .....  | 5               |                  |  |  |
| Disposition, quiet, but not sluggish .....  | 2               |                  |  |  |
| Head and neck—7 points:   |                 |                  |  |  |
| Muzzle, broad; mouth large; jaw wide; nostrils large .....  | 2               |                  |  |  |
| Eyes, large, clear, placid .....  | 1               |                  |  |  |
| Face, short; expression quiet .....   | 1               |                  |  |  |
| Forehead, broad, full .....   | .5              |                  |  |  |
| Ears, texture fine; size medium .....   | .5              |                  |  |  |
| Neck, thick, short; throat clean .....  | 2               |                  |  |  |
| Fore quarters—8 points:   |                 |                  |  |  |
| Shoulder vein, well filled, giving a smooth blending of the neck to the shoulder .....  | 1               |                  |  |  |
| Shoulder, well laid in, smooth, with an even covering of flesh; not heavy and coarse .....  | 3               |                  |  |  |
| Brisket, advanced; breast wide .....  | 1               |                  |  |  |
| Dewlap, skin not too loose and drooping .....   | 1               |                  |  |  |
| Legs, straight, short; arm full; shank fine, smooth .....   | 2               |                  |  |  |
| Body—32 points:   |                 |                  |  |  |
| Chest, full, deep, wide; girth large; crops full; fore flank well filled, showing strong constitution .....   | 7               |                  |  |  |
| Ribs, long, arched, well fleshed .....  | 6               |                  |  |  |
| Back, broad, straight, smooth, even .....   | 10              |                  |  |  |
| Loin, broad, moderately thick, extending well forward .....   | 7               |                  |  |  |
| Flank, full, even with underline .....  | 2               |                  |  |  |
| Hind quarters—13 points:  |                 |                  |  |  |
| Hips, smoothly covered; distance apart in proportion with other parts, but not prominent .....  | 2               |                  |  |  |
| Rump, long, wide, even; tailhead smooth; tail well set .....  | 3               |                  |  |  |
| Pin bones, not prominent, far apart .....   | 1               |                  |  |  |
| Thighs, full, deep, wide .....  | 3               |                  |  |  |
| Twist, plump, deep .....  | 2               |                  |  |  |
| Legs, straight, short; shank fine, smooth .....   | 2               |                  |  |  |
| Total .....   | 100             |                  |  |  |

## DAIRY CATTLE.

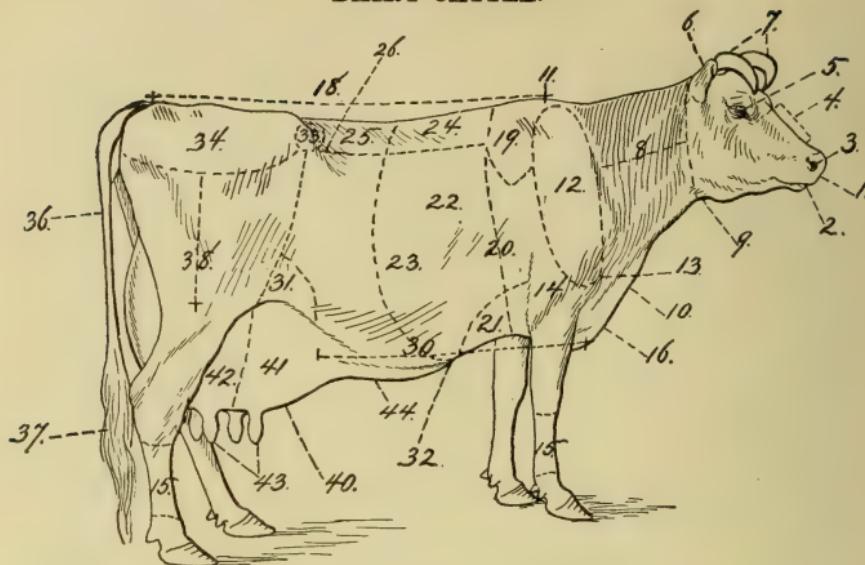


FIG. 4.—Points of the dairy cow, side view.

|             |                         |                           |                                   |
|-------------|-------------------------|---------------------------|-----------------------------------|
| 1. Muzzle.  | 11. Withers.            | 22. Ribs.                 | 36. Tail.                         |
| 2. Mouth.   | 12. Shoulder.           | 23. False ribs.           | 37. Switch, or brush.             |
| 3. Nostril. | 13. Point of shoulder.  | 24. Back, or chine.       | 38. Thigh.                        |
| 4. Face.    | 14. Arm.                | 25. Loin.                 | 40. Udder.                        |
| 5. Eye.     | 15. Shanks, or cannons. | 26. Coupling.             | 41. Fore udder.                   |
| 6. Ear.     | 16. Brisket.            | 27. Underline.            | 42. Hind udder.                   |
| 7. Horns.   | 17. Topline.            | 28. Navel.                | 43. Teats.                        |
| 8. Neck.    | 18. Crops.              | 29. Hip, or point of hip. | 44. Mammary veins, or milk veins. |
| 9. Throat.  | 19. Girth.              | 30. Fore flank.           |                                   |
| 10. Dewlap. | 20. Girth.              | 31. Hind flank.           |                                   |
|             | 21. Fore flank.         | 32. Navel.                |                                   |
|             |                         | 33. Hip, or point of hip. |                                   |
|             |                         | 34. Rump.                 |                                   |

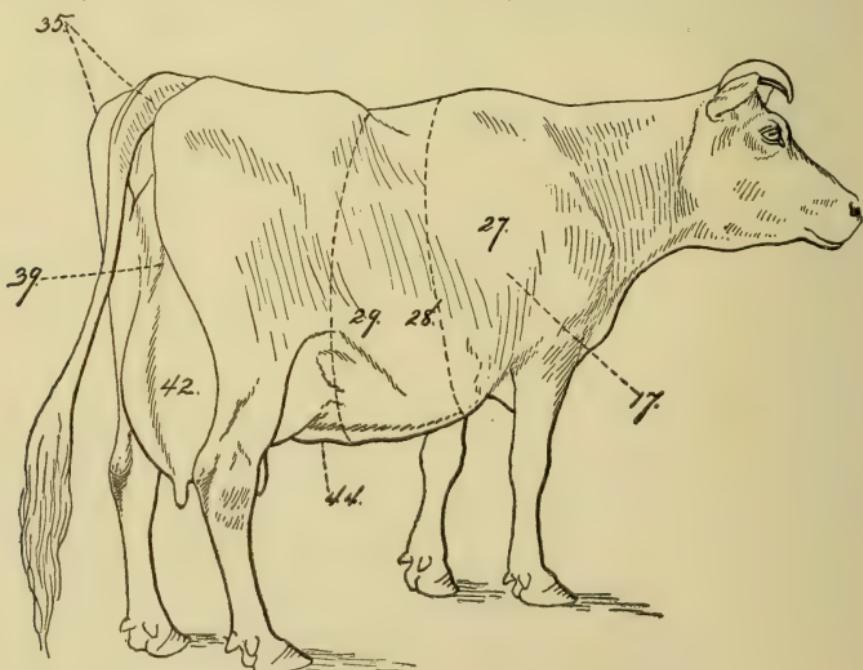


FIG. 5.—Points of the dairy cow, three-quarters rear view.

|             |                           |                    |
|-------------|---------------------------|--------------------|
| 17. Chest.  | 25. Pin bones, or thurls. | 42. Hind udder.    |
| 27. Barrel. | 29. Stomach, or belly.    | 39. Escutcheon.    |
|             |                           | 44. Mammary veins. |

## Alabama Polytechnic Institute.

|  | Possible score. | Student's score. | Judge's score. |
|--|-----------------|------------------|----------------|
| General appearance:  |                 |                  |                |
| Size, medium to large.....   | 3               | .....            | .....          |
| Form, inclined to be wedge shaped.....   | 5               | .....            | .....          |
| Quality, hair fine, soft; skin mellow, loose, medium thickness; secretion, yellow; bone, clean, fine.....                        | 5               | .....            | .....          |
| Temperament, nervous, indicated by lean appearance when in milk.....   | 5               | .....            | .....          |
| Objections, undersize, too excitable.  |                 |                  |                |
| Head and neck:   |                 |                  |                |
| Muzzle, moist, clean cut; mouth large; nostrils large .....  | 1               | .....            | .....          |
| Eyes, large, bright, full, mild.....   | 1               | .....            | .....          |
| Face, lean, long, quiet, expressive.....   | 1               | .....            | .....          |
| Forehead, broad, dishing .....   | 1               | .....            | .....          |
| Ears, size medium; inside yellow; texture fine.....  | 1               | .....            | .....          |
| Horns, texture fine.....   | 1               | .....            | .....          |
| Neck, fine; length medium; throat clean; dewlap light.....   | 1               | .....            | .....          |
| Objections, thick, coarse head and neck.   |                 |                  |                |
| Fore quarters:   |                 |                  |                |
| Withers, lean, thin.....   | 1               | .....            | .....          |
| Shoulders, light, oblique .....  | 2               | .....            | .....          |
| Legs, straight, short; shank fine .....  | 2               | .....            | .....          |
| Objections, broad withers; heavy shoulders; legs close together.   |                 |                  |                |
| Body:  |                 |                  |                |
| Chest, deep, low; girth large, with full foreflank.....  | 10              | .....            | .....          |
| Barrel, ribs broad, long, wide apart; stomach large .....  | 10              | .....            | .....          |
| Back, lean, straight, open jointed .....   | 2               | .....            | .....          |
| Loin, broad .....  | 2               | .....            | .....          |
| Navel, large .....   | 2               | .....            | .....          |
| Objections, narrow chest; shallow, close-coupled barrel; straight underline.   |                 |                  |                |
| Hind quarters:   |                 |                  |                |
| Hips, far apart, level .....   | 2               | .....            | .....          |
| Rump long, wide; pelvis roomy.....   | 2               | .....            | .....          |
| Pin bones (or thurls), high, wide apart.....   | 1               | .....            | .....          |
| Tail, long, slim; hair in switch fine.....   | 1               | .....            | .....          |
| Thighs, thin, long.....  | 4               | .....            | .....          |
| Escutcheon, spreading over thighs, extending high and wide; large thigh ovals .....  | 2               | .....            | .....          |
| Udder, long, attached high and full behind, extending far in front and full, flexible; quarters even, free from fleshiness ..... | 20              | .....            | .....          |
| Treats, large, evenly placed.....  | 5               | .....            | .....          |
| Mammary veins, large, long, tortuous, branched, with double extension; milk wells large, numerous .....                          | 5               | .....            | .....          |
| Legs, straight, shank fine .....   | 2               | .....            | .....          |
| Objections, narrow hips; small, uneven, fleshy, or too large udder; small, uneven-sized teats.                                   |                 |                  |                |
| Total .....  | 100             | .....            | .....          |

## School of Agriculture of Purdue University.

## Scale of points.

|  | Score.    |            |            |           |
|--|-----------|------------|------------|-----------|
|  | Male.     |            | Female.    |           |
|  | Standard. | Student's. | Corrected. | Standard. |
| A. General appearance:   |           |            |            |           |
| Weight, estimated, —— pounds; actual, —— pounds.   | 1         |            |            | 1         |
| Form, wedge shape from front, side, and top.   |           |            |            | 8         |
| Form, shapely, masculine, medium long.   | 10        |            |            |           |
| Quality, hair fine, silky; skin mellow, loose, medium thick, yellow, not fleshy; bone fine.                        | 10        |            |            | 8         |
| B. Head and neck:  |           |            |            |           |
| Muzzle, broad; nostrils large; nose fine between muzzle and eyes.  | 1         |            |            | 1         |
| Eyes, full, placid.  | 2         |            |            | 1         |
| Face, lean, fine, shapely.   | 1         |            |            | 1         |
| Forehead, dishing, broad between eyes.   | 2         |            |            | 2         |
| Ears, size medium; inside fine, yellow.  | 1         |            |            | 1         |
| Neck, fine, rather long, well set on shoulders and head; topline slightly curved; throat clean; dewlap light.      |           |            |            | 2         |
| Neck, neatly joined to head and shoulders, of good length; masculine and strong of bearing, nearly free of dewlap. | 5         |            |            |           |
| C. Fore quarters:  |           |            |            |           |
| Withers, lean, thin.   |           |            |            | 1         |
| Withers, well rounded, even on top.  | 2         |            |            |           |
| Shoulders, light, oblique.   | 4         |            |            | 2         |
| Legs, straight, short; shank fine; feet well placed.   | 3         |            |            | 3         |
| D. Body:   |           |            |            |           |
| Chest, deep, low, full; girth large.   | 10        |            |            | 9         |
| Crops, well filled out.  | 3         |            |            | 1         |
| Ribs, long, broad, well sprung, wide apart.  | 8         |            |            | 8         |
| Back, fairly level to set of tail, broad, strong.  | 3         |            |            | 1         |
| Loin, broad, long, level.  | 5         |            |            | 4         |
| Flanks, low.   | 2         |            |            | 1         |
| Navel, prominent.  | 1         |            |            | 1         |
| E. Hind quarters:  |           |            |            |           |
| Hips, wide apart.  | 2         |            |            | 2         |
| Rumps, long, broad, level.   | 2         |            |            | 2         |
| Pin bones (or thurils), high, wide apart.  | 1         |            |            | 1         |
| Thighs, thin, roomy, long, well carried.   | 3         |            |            | 2         |
| Tail, long, fine, reaching hocks; good switch.   | 1         |            |            | 1         |
| Legs, straight, short, wide apart; shank fine.   | 2         |            |            | 2         |
| F. Udder and rudimentary teats:  |           |            |            |           |
| Front udder, carried well forward, full, thick, soft, mellow within.   |           |            |            | 12        |
| Hind udder, full in form, well up behind.  |           |            |            | 10        |
| Milk veins, large, long, elastic, tortuous, entering large orifices.   | 5         |            |            | 7         |
| Teats, $2\frac{1}{2}$ -3 inches long, good size, well placed.  |           |            |            | 5         |
| Rudimentary teats, four; large, well placed.   | 10        |            |            |           |
| Total.   | 100       |            |            | 100       |

## Iowa State College of Agriculture and the Mechanic Arts.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| <b>General appearance:</b>   |                  |                |
| 1. Weight .....  | 6                |                |
| 2. Form, inclined to be wedge shaped .....   | 6                |                |
| 3. Quality, hair fine, soft; skin mellow, loose, medium thickness; secretion yellow; bone clean, fine .....                          | 6                |                |
| 4. Condition, lean, though vigorous appearance when in milk .....  | 6                |                |
| <b>Head and neck:</b>  |                  |                |
| 5. Muzzle, clean cut; mouth large; nostrils large .....  | 1                |                |
| 6. Eyes, large, bright, full, mild .....   | 1                |                |
| 7. Face, lean, long; expression quiet .....  | 1                |                |
| 8. Forehead, broad .....   | 1                |                |
| 9. Ears, size medium; inside yellow; texture fine .....  | 1                |                |
| 10. Horns, waxy; texture fine .....  | 1                |                |
| 11. Neck, fine; length medium; throat clean; dewlap light .....  | 1                |                |
| <b>Fore quarters:</b>  |                  |                |
| 12. Withers, lean, thin .....  | 1                |                |
| 13. Shoulders, light, oblique .....  | 2                |                |
| 14. Legs, straight, short; shank fine .....  | 2                |                |
| <b>Body:</b>   |                  |                |
| 15. Chest, deep, low; girth large, with full fore flank .....  | 10               |                |
| 16. Barrel, ribs broad, long, wide apart; stomach large .....  | 10               |                |
| 17. Back, lean, straight, open jointed .....   | 2                |                |
| 18. Loin, broad .....  | 2                |                |
| 19. Navel, large .....   | 2                |                |
| <b>Hind quarters:</b>  |                  |                |
| 20. Hips, far apart, level .....   | 2                |                |
| 21. Rump, long, wide .....   | 2                |                |
| 22. Pin bones (or thurils), high, wide apart .....   | 1                |                |
| 23. Tail, long, slim; hair in switch fine .....  | 1                |                |
| 24. Thighs, thin, long .....   | 4                |                |
| 25. Escutcheon, spreading over thighs, extending high and wide; thigh ovals large .....  | 2                |                |
| 26. Udder, long, attached high and full behind, extending far in front and full, flexible; quarters even, free from fleshiness ..... | 20               |                |
| 27. Teats, large, evenly placed .....  | 5                |                |
| 28. Mammary veins, large, long, tortuous, branched with double extension; milk wells large, numerous .....                           | 5                |                |
| 29. Legs, straight, short; shank fine .....  | 2                |                |
| <b>Total .....</b>   | <b>100</b>       |                |

## Kansas State Agricultural College.

| Scale of points.  | Possible score. | Student's score. | Judge's score. |
|---|-----------------|------------------|----------------|
| General appearance:   |                 |                  |                |
| Form, inclined to be wedge shaped.....  | 6               |                  |                |
| Quality, hair fine, soft; skin mellow, loose, medium thickness; secretion yellow; bone clean, fine.....                         | 6               |                  |                |
| Temperament, nervous, indicated by lean appearance when in milk.....  | 6               |                  |                |
| Head and neck:  |                 |                  |                |
| Muzzle, clean cut; mouth large; nostrils large.....   | 1               |                  |                |
| Eyes, large, bright, full, mild.....  | 1               |                  |                |
| Face, lean, long; expression quiet.....   | 1               |                  |                |
| Forehead, broad.....  | 1               |                  |                |
| Ears, size medium; inside yellow; texture fine.....   | 1               |                  |                |
| Horns, waxy; texture fine.....  | 1               |                  |                |
| Neck, fine; length medium; throat clean; dewlap light.....  | 1               |                  |                |
| Fore quarters:  |                 |                  |                |
| Withers, lean, thin.....  | 1               |                  |                |
| Shoulders, light, oblique.....  | 2               |                  |                |
| Legs, straight, short; shank fine.....  | 2               |                  |                |
| Body:   |                 |                  |                |
| Chest, deep, low; girth large, with full fore flank.....  | 10              |                  |                |
| Barrel, ribs, broad, long, wide apart; stomach large.....   | 10              |                  |                |
| Back, lean, straight, open jointed.....   | 2               |                  |                |
| Loin, broad.....  | 2               |                  |                |
| Navel, large.....   | 2               |                  |                |
| Hind quarters:  |                 |                  |                |
| Hips, far apart, level.....   | 2               |                  |                |
| Rump, long, wide.....   | 2               |                  |                |
| Pin bones (or thurils), high, wide apart.....   | 1               |                  |                |
| Tail, long, slim; hair in switch fine.....  | 1               |                  |                |
| Thighs, thin, long.....   | 4               |                  |                |
| Escutcheon, spreading over thighs, extending high and wide; thigh ovals large.....  | 2               |                  |                |
| Udder, long, attached high and full behind, extending far in front and full, flexible; quarters even, free from fleshiness..... | 20              |                  |                |
| Teats, large, evenly placed.....  | 5               |                  |                |
| Mammary veins, large, long, tortuous, branched, with double extension; milk wells large, numerous.....                          | 5               |                  |                |
| Legs, straight; shank fine.....   | 2               |                  |                |
| Total .....   | 100             |                  |                |

## Agricultural and Mechanical College of Kentucky.

Same as the Kansas card (see above) for dairy cattle.

## Maryland Agricultural College.

| Scale of points.  | Perfect score. | Student's score. | Corrected. |
|---|----------------|------------------|------------|
| <b>I. Primary considerations—16 points:</b>   |                |                  |            |
| Weight in pounds, estimated, —; corrected, —.   | 3              |                  |            |
| Size and substance, for age.  | 4              |                  |            |
| Style, attractive, sprightly; breeding apparent.  | 4              |                  |            |
| Appearance, wedge-shaped viewed from front, side, rear and above; angular.  | 5              |                  |            |
| Quality, skin thin, loose, elastic, mellow; flesh firm; hair soft, fine, silky.   | 16             |                  |            |
|   |                |                  |            |
| <b>II. Nervous energy—23 points:</b>  |                |                  |            |
| Temperament, active, controlled.  | 5              |                  |            |
| Eyes, large, clear, bright, mild, placid, free from white.  | 3              |                  |            |
| Forehead, broad, high; face dished.   | 3              |                  |            |
| Ears, broad, thin, active.  | 2              |                  |            |
| Spinal column, long, prominent, open.   | 4              |                  |            |
| Milk veins, branching, long, tortuous.  | 4              |                  |            |
| Navel, large, defined.  | 2              |                  |            |
|   | 23             |                  |            |
|   |                |                  |            |
| <b>III. Structural anatomy—18 points:</b>   |                |                  |            |
| Contour, clean-cut, smooth, correlated, symmetrical, free from patchiness and offal.  | 2              |                  |            |
| Head, medium in size; muzzle refined; mouth large; face lean and long.  | 1              |                  |            |
| Neck, fine, flat on side; length medium; throat clean; dewlap light.  | 1              |                  |            |
| Withers, narrow on top, spreading; shoulder light, slanting.  | 1              |                  |            |
| Back, straight, strong, well muscled.   | 2              |                  |            |
| Loin, broad, strong.  | 3              |                  |            |
| Pelvic arch, prominent, bare; pin bones high, wide; hips wide, prominent.   | 4              |                  |            |
| Flank, high; twist open; thigh thin, incurved.  | 2              |                  |            |
| Bones, medium; joints fine, flat; horns small, waxy; tail long, slim.   | 2              |                  |            |
|   | 18             |                  |            |
|   |                |                  |            |
| <b>IV. Digestion and assimilation—23 points:</b>  |                |                  |            |
| Nostrils, medium sized, clear, bright.  | 1              |                  |            |
| Breast and brisket, prominent, angular, but not pointed.  | 1              |                  |            |
| Chest, wide, deep, long; heart girth large.   | 6              |                  |            |
| Barrel, medium long, broad on top, deep, capacious.   | 9              |                  |            |
| Ribs, flat, spaced, well sprung; chine open.  | 3              |                  |            |
| False ribs, suppressed; barrel depression marked.   | 3              |                  |            |
|   | 23             |                  |            |
|   |                |                  |            |
| <b>V. Milk indications—20 points:</b>   |                |                  |            |
| Udder, long, capacious, balanced, well up behind, free from fleshiness, but with some substance when empty, strongly attached; teats of good size, evenly placed. | 10             |                  |            |
| Escutcheon, spreading over thighs, extending well upward.   | 3              |                  |            |
| Milk veins, large, tortuous, long, branched; milk wells large.  | 6              |                  |            |
| Skin of ear and udder yellow; secretions yellow, plentiful.   | 1              |                  |            |
|   | 20             |                  |            |
|   | 100            |                  |            |
| <b>VI. Obvious and deductive defects</b>  |                |                  |            |
| Per cent of perfection.   |                |                  |            |

## Massachusetts Agricultural College.

|   | Scale of points. | Points deficient. |                     |                   |
|---|------------------|-------------------|---------------------|-------------------|
|   |                  | Perf.<br>fect.    | Student's<br>score. | Correct<br>score. |
| A. General appearance—17 points:  |                  |                   |                     |                   |
| Age, estimated, — years; corrected, — years.  |                  |                   |                     |                   |
| Weight, estimated, — pounds; corrected, — pounds.   |                  |                   |                     |                   |
| Form, trim, triple wedge shape.   |                  | 7                 |                     |                   |
| Quality, hair fine, soft; secretion abundant, yellow; skin mellow, of not more than medium thickness; bone clean, fine.                                     |                  | 5                 |                     |                   |
| Temperament, nervous, indicated by sprightly movements of eye or ear, general refinement, prominence of veins, etc.; not sluggish nor yet wild and restive. |                  | 5                 |                     |                   |
| B. Head and neck—8 points:  |                  |                   |                     |                   |
| Muzzle, clean cut; mouth and nostrils large.  |                  | 1                 |                     |                   |
| Eyes, prominent, clear, mild.   |                  | 1                 |                     |                   |
| Face, rather long, lean, fine.  |                  | 2                 |                     |                   |
| Forehead, broad, slightly dishing.  |                  | 1                 |                     |                   |
| Ears, fine; size medium; secretion rich, yellow.  |                  | 1                 |                     |                   |
| Neck, medium long, rather thin, fine at throat.   |                  | 2                 |                     |                   |
| C. Fore quarters—6 points:  |                  |                   |                     |                   |
| Withers, lean; spine high.  |                  | 2                 |                     |                   |
| Shoulders, fairly wide at points, light, sloping.   |                  | 2                 |                     |                   |
| Brisket, light, thin.   |                  | 1                 |                     |                   |
| Legs, short, straight; bone clean, fine.  |                  | 1                 |                     |                   |
| D. Body—23 points:  |                  |                   |                     |                   |
| Chest, deep, girth, — feet; corrected, — feet.  |                  | 5                 |                     |                   |
| Ribs, long, broad, open, moderately well sprung.  |                  | 2                 |                     |                   |
| Chine, prominent, narrow.   |                  | 3                 |                     |                   |
| Barrel, long, deep, capacious.  |                  | 8                 |                     |                   |
| Back, straight, open jointed; prominences clearly defined.  |                  | 2                 |                     |                   |
| Loin, broad, spare fleshed.   |                  | 1                 |                     |                   |
| Flank, deep, thin.  |                  | 1                 |                     |                   |
| Navel, large.   |                  | 1                 |                     |                   |
| E. Hind quarters—14 points:   |                  |                   |                     |                   |
| Hips, prominent, wide.  |                  | 2                 |                     |                   |
| Rump, level, long; pelvis roomy, wide.  |                  | 3                 |                     |                   |
| Thurils, high, wide apart.  |                  | 1                 |                     |                   |
| Thighs, long, thin; twist roomy, open.  |                  | 4                 |                     |                   |
| Tail, long, rather loosely articulated; bush heavy.   |                  | 1                 |                     |                   |
| Legs, straight, well apart, fine boned.   |                  | 1                 |                     |                   |
| Escutcheon, high, wide.   |                  | 2                 |                     |                   |
| F. Udder and milk veins—32 points:  |                  |                   |                     |                   |
| Fore udder, broad, well forward, capacious, free from fleshiness.   |                  | 10                |                     |                   |
| Hind udder, broad, well up behind, capacious, free from fleshiness.   |                  | 10                |                     |                   |
| Teats, squarely placed, wide apart, of convenient size, uniform.  |                  | 6                 |                     |                   |
| Milk veins, large, long, crooked, extending well forward, branched.   |                  | 4                 |                     |                   |
| Milk wells, large or numerous.  |                  | 2                 |                     |                   |
| Total.  |                  | 100               |                     |                   |

## Michigan State Agricultural College.

| Scale of points.   | Per-fect. | Student's estimate. | Corrected. |
|--|-----------|---------------------|------------|
| General appearance:  |           |                     |            |
| Age, estimated, —; corrected, —  |           |                     |            |
| Weight, estimated, — pounds; corrected, — pounds                         |           |                     |            |
| Form, wedge-shaped, viewed from front, side, and above                   | 9         |                     |            |
| Quality, hair fine; skin soft, medium thickness; bone clean              | 7         |                     |            |
| Temperament, nervous   | 4         |                     |            |
|  | 20        |                     |            |
| Head:  |           |                     |            |
| Muzzle, clean cut; mouth large; nostrils large; face lean, long, dishing | 2         |                     |            |
| Eyes, full, mild, bright   | 1         |                     |            |
| Forehead, broad  | 1         |                     |            |
| Ears, size medium; texture fine  | 1         |                     |            |
| Horn, small at base  | 1         |                     |            |
|  | 6         |                     |            |
| Fore quarters:   |           |                     |            |
| Neck, thin; length medium  | 2         |                     |            |
| Withers, lean, sharp   | 2         |                     |            |
| Shoulders, light, oblique  | 2         |                     |            |
| Legs, short, straight, clean boned                                       | 1         |                     |            |
|  | 7         |                     |            |
| Body:  |           |                     |            |
| Brisket, thin, sharp   | 1         |                     |            |
| Chest, deep through lungs; girth large, — feet                           | 8         |                     |            |
| Ribs, well sprung, broad, far apart                                      | 3         |                     |            |
| Belly, large, roomy  | 7         |                     |            |
| Chine, large, prominent, open  | 1         |                     |            |
| Back, high, lean   | 1         |                     |            |
| Loin, broad  | 2         |                     |            |
| Flank, deep, thin  | 1         |                     |            |
| Navel, large   | 2         |                     |            |
|  | 26        |                     |            |
| Hind quarters:   |           |                     |            |
| Hips, wide apart   | 2         |                     |            |
| Rump, long, high   | 2         |                     |            |
| Pin bones (or thurils), high, wide apart                                 | 1         |                     |            |
| Thigh, thin, incurving   | 4         |                     |            |
| Tail, fine, reaching hock  | 1         |                     |            |
| Escutcheon, spreading, high  | 1         |                     |            |
| Udder, long, not fleshy, attached high; quarters even                    | 17        |                     |            |
| Tears, large, evenly placed  | 5         |                     |            |
| Milk veins, large, tortuous, branching                                   | 4         |                     |            |
| Milk wells, large  | 3         |                     |            |
| Legs, short, clean boned, far apart                                      | 1         |                     |            |
|  | 41        |                     |            |
| Total  | 100       |                     |            |

## College of Agriculture and the Mechanic Arts of the University of Missouri.

| Scale of points.   | Perf.<br>fect. | Student's<br>estimate. | Corrected. |
|--|----------------|------------------------|------------|
| General appearance:  |                |                        |            |
| Age, estimated, —; corrected, —                                      |                |                        |            |
| Weight, estimated, —; corrected, —                                   |                |                        |            |
| Form, wedge-shaped, viewed, from front, side, and above              | 10             |                        |            |
| Quality, hair fine; skin soft, of medium thickness; bone fine, clean | 5              |                        |            |
| Temperament, sanguine, nervous                                       | 5              |                        |            |
|  | 20             |                        |            |
| Head:  |                |                        |            |
| Muzzle, clean cut; mouth large; nostrils wide, open                  | 1              |                        |            |
| Face, lean, long, slightly dished; expression contented              | 1              |                        |            |
| Eyes, full, mild, bright, clear                                      | 1              |                        |            |
| Forehead, broad, full, high  | 1              |                        |            |
| Ears, size medium; inside yellow; texture fine                       | 1              |                        |            |
|  | 5              |                        |            |
| Fore quarters:   |                |                        |            |
| Neck, thin; length medium; throat clean; dewlap small                | 3              |                        |            |
| Withers, lean, sharp   | 3              |                        |            |
| Shoulders, oblique, lean   | 2              |                        |            |
| Chest, deep, wide  | 3              |                        |            |
| Legs, straight, short, clean boned; cannon fine                      | 1              |                        |            |
|  | 12             |                        |            |
| Body:  |                |                        |            |
| Girth, large, estimated, —; corrected, —                             | 4              |                        |            |
| Ribs, well sprung, long, broad, far apart                            | 4              |                        |            |
| Back, high, lean   | 2              |                        |            |
| Vertebra, large; spaces wide, open                                   | 2              |                        |            |
| Loin, broad, strong  | 4              |                        |            |
| Abdomen, large, deep, showing great capacity                         | 8              |                        |            |
| Flank, deep, velvety, thin   | 2              |                        |            |
| Navel, large   | 1              |                        |            |
|  | 27             |                        |            |
| Hind quarters:   |                |                        |            |
| Hips, wide apart, level with back                                    | 3              |                        |            |
| Rump, long, high, wide; pelvis arching                               | 3              |                        |            |
| Pin bones, high, wide apart  | 2              |                        |            |
| Thigh, thin, incurving, well muscled                                 | 4              |                        |            |
| Fore udder, extending well forward, full, not fleshy; quarters even  | 6              |                        |            |
| Hind udder, attached high behind, full, not fleshy; quarters even    | 6              |                        |            |
| Teats, uniform, good size, well placed                               | 4              |                        |            |
| Milk veins, large, elastic, tortuous, branching                      | 3              |                        |            |
| Milk wells, large  | 4              |                        |            |
| Legs, clean boned, wide apart, straight; cannon fine                 | 1              |                        |            |
|  | 36             |                        |            |
| Total  | 100            |                        |            |

## New Hampshire College of Agriculture and the Mechanic Arts.

|  | Scale of points. | Possible score. | Points deficient.   |            |
|--|------------------|-----------------|---------------------|------------|
|  |                  |                 | Student's estimate. | Corrected. |
| A. General appearance:   |                  |                 |                     |            |
| Weight, 800 to 1,200 pounds; estimated, — pounds, — pounds.                                    |                  |                 |                     |            |
| Form, wedge-shaped as viewed from front, side, and top.  |                  | 6               |                     |            |
| Quality, hair fine, soft; skin mellow, loose, medium thickness; secretion yellow; bones clean. |                  | 6               |                     |            |
| Apparent constitution and temperament, rugged, active, intelligent, submissive, yet nervous.   |                  | 6               |                     |            |
| B. Head:   |                  |                 |                     |            |
| Muzzle, clean cut; face lean, long; mouth and nostrils large.                                  |                  | 1               |                     |            |
| Eyes, full, mild, expressive, intelligent.   |                  | 2               |                     |            |
| Forehead, broad, not too wide between the base of horns.                                       |                  | 1               |                     |            |
| Ears, size, medium; inside yellow; texture fine.   |                  | 1               |                     |            |
| C. Fore quarters:  |                  |                 |                     |            |
| Neck, thin; length good; throat clean; dewlap light.   |                  | 2               |                     |            |
| Withers, lean, sharp.  |                  | 1               |                     |            |
| Shoulders, light, oblique.   |                  | 1               |                     |            |
| Legs, straight, short; shank fine.   |                  | 1               |                     |            |
| D. Body:   |                  |                 |                     |            |
| Chest, wide through lungs; girth large, — inches.  |                  | 5               |                     |            |
| Ribs, broad, long, wide apart.   |                  | 2               |                     |            |
| Stomach, deep; girth large, — inches.  |                  | 8               |                     |            |
| Back, lean, strong, open jointed, well defined.  |                  | 2               |                     |            |
| Loin, broad, long; point of hips prominent.  |                  | 4               |                     |            |
| Flank, low, long from hips down.   |                  | 3               |                     |            |
| E. Hind quarters:  |                  |                 |                     |            |
| Hips, wide apart, — inches.  |                  | 4               |                     |            |
| Rump, broad, long, tapering.   |                  | 4               |                     |            |
| Thighs, thin, long, wide apart.  |                  | 3               |                     |            |
| Tail, slim, fine, reaching hock; switch fine.  |                  | 1               |                     |            |
| Legs, straight, short, wide apart; shank fine.   |                  | 1               |                     |            |
| F. Udder:  |                  |                 |                     |            |
| Front udder, carried well forward, full but not fleshy; quarters even.                         |                  | 12              |                     |            |
| Hind udder, carried well back, attached high, good width, full but not fleshy; quarters even.  |                  | 10              |                     |            |
| Teats, good, uniform in size, properly placed.   |                  | 4               |                     |            |
| Milk veins, large, long, extending well forward, crooked in their course.                      |                  | 6               |                     |            |
| Milk wells, large.   |                  | 2               |                     |            |
| Escutcheon, high, wide, spreading over thighs; thigh ovals large.                              |                  | 1               |                     |            |
| Total  |                  | 100             |                     |            |

## New Mexico College of Agriculture and Mechanic Arts.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| A. General appearance:   |                  |                |
| 1. Weight, 800 to 1,000 pounds, estimated, —— pounds; actual, —— pounds .....  | 6                |                |
| 2. Form, wedge-shaped as viewed from front, side, and top .....  | 6                |                |
| 3. Quality, hair fine, soft; skin mellow, loose, medium thickness secretion yellow; bone clean .....   | 6                |                |
| 4. Temperament, nervous, indicated by lean appearance .....  | 6                |                |
| B. Head and neck:  |                  |                |
| 5. Muzzle, clean cut; mouth large; nostrils large .....  | 1                |                |
| 6. Eyes, large, bright, full, mild .....   | 1                |                |
| 7. Face, lean, long; expression quiet .....  | 1                |                |
| 8. Forehead, broad .....   | 1                |                |
| 9. Ears, size medium; inside yellow; texture fine .....  | 1                |                |
| 10. Horns, fine; texture waxy .....  | 1                |                |
| 11. Neck, fine; length medium; throat clean; dewlap light .....  | 1                |                |
| C. Fore quarters:  |                  |                |
| 12. Withers, lean, thin .....  | 1                |                |
| 13. Shoulders, light, oblique .....  | 2                |                |
| 14. Legs, straight, short; shank fine .....  | 2                |                |
| D. Body:   |                  |                |
| 15. Chest, deep, low; girth large with full fore flank .....   | 10               |                |
| 16. Barrel, ribs broad, long, wide apart; stomach large .....  | 10               |                |
| 17. Back, lean, straight, open jointed, well defined .....   | 2                |                |
| 18. Loin, broad .....  | 2                |                |
| 19. Naval, large .....   | 2                |                |
| E. Hind quarters:  |                  |                |
| 20. Hips, far apart, level .....   | 2                |                |
| 21. Rump, long, broad .....  | 2                |                |
| 22. Pin bones (or thurils), high, wide apart .....   | 1                |                |
| 23. Tail, long, slim; hair in switch fine .....  | 1                |                |
| 24. Thighs, thin, long, wide apart .....   | 4                |                |
| 25. Escutcheon, spreading over thighs, extending high and wide; thigh ovals large .....  | 2                |                |
| 26. Udder, long, broad, flexible; quarters even, free from fleshiness; front udder carried well forward, full; hind udder carried well back, attached high, full ..... | 20               |                |
| 27. Teats, large, evenly placed .....  | 5                |                |
| 28. Milk veins, large, long, tortuous .....  | 3                |                |
| 29. Milk wells, large .....  | 2                |                |
| 30. Legs, straight; shank fine .....   | 2                |                |
| Total .....  | 100              |                |

## Cornell University.

| Scale of points.   | Perfect score. | Points deficient.   |            |
|--|----------------|---------------------|------------|
|  |                | Student's estimate. | Corrected. |
| <b>General appearance:</b>   |                |                     |            |
| Weight, estimated, — pounds; actual, — pounds.   |                |                     |            |
| Form, wedge-shaped as viewed from front, side, and top.                                      | 5              |                     |            |
| Quality, hair fine, soft; skin mellow, loose, medium thickness secretion yellow; bone clean. | 8              |                     |            |
| Constitution, vigorous, not inclined to beefiness.   | 8              |                     |            |
| <b>Head and neck:</b>  |                |                     |            |
| Muzzle, clean cut; mouth large; nostrils large.  | 1              |                     |            |
| Eyes, large, bright.   | 1              |                     |            |
| Face, lean, long; expression quiet.  | 1              |                     |            |
| Forehead, broad, slightly dished.  | 1              |                     |            |
| Ears, size medium; inside yellow; texture fine.  | 1              |                     |            |
| Neck, fine; length medium; throat clean; dewlap light.                                       | 2              |                     |            |
| <b>Fore and hind quarters:</b>   |                |                     |            |
| Withers, lean, thin.   | 1              |                     |            |
| Shoulders, light, oblique.   | 2              |                     |            |
| Hips, far apart; level between hooks.  | 2              |                     |            |
| Rump, long, wide.  | 2              |                     |            |
| Pin bones (or thurils), high, wide apart.  | 1              |                     |            |
| Thighs, thin, long.  | 2              |                     |            |
| Legs, straight, short; shank fine.   | 1              |                     |            |
| Tail, long, slim; switch fine.   | 1              |                     |            |
| <b>Body:</b>   |                |                     |            |
| Chest, deep, low; girth large.   | 8              |                     |            |
| Ribs, broad, well sprung, long, wide apart; stomach large.                                   | 5              |                     |            |
| Back, lean, straight; chine open.  | 3              |                     |            |
| Loin, broad, level.  | 2              |                     |            |
| Flank, moderately low.   | 1              |                     |            |
| Navel, large.  | 1              |                     |            |
| <b>Milk secreting organs:</b>  |                |                     |            |
| Udder, long, attached high and full behind, extending far in front and full; quarters even.  | 15             |                     |            |
| Udder, capacious, flexible; skin loose, pliable, covered with short, fine hair.              | 13             |                     |            |
| Teats, large, evenly placed.   | 4              |                     |            |
| Milk veins, large, tortuous; milk wells large.   | 6              |                     |            |
| Escutcheon, spreading over thighs, extending high and wide; thigh ovals large.               | 2              |                     |            |
| <b>Total</b>   | 100            |                     |            |

## North Dakota Agricultural College.

| Scale of points.  | Perfect score.   | Points deficient. |
|---|------------------|-------------------|
|   | Student's score. | Corrected.        |
| General appearance:   |                  |                   |
| Weight, estimated, — pounds; actual, — pounds.....  |                  |                   |
| Form, wedge-shaped, as viewed from front, side, and top; weight 800 to 1,000 pounds.....                              | 8                |                   |
| Quality, hair fine, soft; skin mellow, loose, medium thickness, secretion yellow; bone clean.....                     | 8                |                   |
| Temperament, nervous, indicated by lean appearance.....   | 5                |                   |
| Head and neck:  |                  |                   |
| Muzzle, clean cut; mouth large; nostrils large.....   | 1                |                   |
| Eyes, large, bright.....  | 1                |                   |
| Face, lean, long; expression quiet.....   | 1                |                   |
| Forehead, broad, full.....  | 2                |                   |
| Ears, size medium; inside yellow; texture fine.....   | 1                |                   |
| Neck, fine; length medium; throat clean; dewlap light.....  | 2                |                   |
| Fore quarters:  |                  |                   |
| Withers, lean, thin.....  | 1                |                   |
| Shoulders, light, oblique.....  | 2                |                   |
| Legs, straight, short; shank fine.....  | 3                |                   |
| Body:   |                  |                   |
| Chest, deep, low; girth large.....  | 8                |                   |
| Ribs, broad, long, wide apart; stomach large.....   | 10               |                   |
| Back, lean, straight, open jointed.....   | 3                |                   |
| Loins, broad.....   | 3                |                   |
| Naval, large.....   | 2                |                   |
| Hind quarters:  |                  |                   |
| Hips, far apart.....  | 2                |                   |
| Rump, long, wide.....   | 2                |                   |
| Pin bones (or thurils), high, wide apart.....   | 1                |                   |
| Tail, long, slim; switch fine.....  | 1                |                   |
| Thighs, thin, long.....   | 2                |                   |
| Escutcheon, spreading over thighs, extending high and wide; thigh oval large.....                                     | 2                |                   |
| Udder, long, attached high and full behind, extending far in front and full; quarters even, free from fleshiness..... | 16               |                   |
| Teats, large, evenly placed.....  | 4                |                   |
| Milk veins, large, tortuous; milk wells large.....  | 6                |                   |
| Legs, straight, far apart; shank fine.....  | 3                |                   |
| Total.....  | 100              |                   |

## North Carolina College of Agriculture and the Mechanic Arts.

Same as the New Hampshire card (see p. 67) for dairy cattle.

The College of Agriculture and Domestic Science, Ohio State University.

## Scale of points.

|  | Score.    |            |            |           |            |            |
|--|-----------|------------|------------|-----------|------------|------------|
|  | Male.     |            | Female.    |           |            |            |
|  | Standard. | Student's. | Corrected. | Standard. | Student's. | Corrected. |
| A. General appearance:   |           |            |            |           |            |            |
| Weight, estimated, — pounds; actual, — pounds.   | 1         |            |            | 1         |            |            |
| Form, wedge shape from front, side, and top.   | 10        |            |            | 7         |            |            |
| Form, shapely, masculine, medium long.   |           |            |            |           |            |            |
| Quality, hair fine, silky; skin mellow, loose, medium thick, yellow, not fleshy; bone fine                         | 10        |            |            | 8         |            |            |
| B. Head and neck:  |           |            |            |           |            |            |
| Muzzle, broad; nostrils large.   | 1         |            |            | 1         |            |            |
| Eyes, of good size, mild, bright.  | 2         |            |            | 1         |            |            |
| Face, lean, fine, shapely.   | 1         |            |            | 1         |            |            |
| Forehead, broad.   | 2         |            |            | 2         |            |            |
| Ears, not coarse; size medium; inside yellow.  | 1         |            |            | 1         |            |            |
| Neck, fine, rather long, well set on shoulders and head; topline slightly curved; throat clean; dewlap light.      |           |            |            | 2         |            |            |
| Neck, neatly joined to head and shoulders, of good length, masculine and strong of bearing; nearly free of dewlap. | 5         |            |            |           |            |            |
| C. Fore quarters:  |           |            |            |           |            |            |
| Weight, — pounds.  |           |            |            |           |            |            |
| Withers, lean, thin.   |           |            |            | 1         |            |            |
| Withers, well rounded, even on top.  | 2         |            |            |           |            |            |
| Shoulders, light, oblique.   | 4         |            |            | 2         |            |            |
| Legs, straight, short; shank fine; feet well placed.   | 2         |            |            | 2         |            |            |
| D. Body:   |           |            |            |           |            |            |
| Chest, deep, low, full; girth large, — inches.   | 10        |            |            | 8         |            |            |
| Crops, not deeply depressed.   | 3         |            |            | 1         |            |            |
| Ribs, long, broad, well sprung, wide apart.  | 5         |            |            | 5         |            |            |
| Back, lean, strong, well defined.  | 3         |            |            | 2         |            |            |
| Stomach, deep; girth large, — inches.  | 3         |            |            | 3         |            |            |
| Loin, broad, long, level; last rib to hip, — inches.   | 5         |            |            | 4         |            |            |
| Flanks, low, deep from hip down.   | 2         |            |            | 1         |            |            |
| E. Hind quarters:  |           |            |            |           |            |            |
| Weight, — pounds.  |           |            |            |           |            |            |
| Hips, wide apart females; not too wide bulls.  | 3         |            |            | 3         |            |            |
| Rumps, broad, level; long, — inches.   | 3         |            |            | 3         |            |            |
| Pin bones (or thrurls), high, wide apart.  | 1         |            |            | 1         |            |            |
| Thighs, thin, roomy, long, well carried.   | 3         |            |            | 3         |            |            |
| Legs, straight, short, wide apart; shank fine.   | 2         |            |            | 2         |            |            |
| Tail, long, fine, reaching hocks; switch good.   | 1         |            |            | 1         |            |            |
| F. Udder or rudimentary:   |           |            |            |           |            |            |
| Front udder, carried well forward, full, thick, soft, mellow within; quarters even.                                |           |            |            | 12        |            |            |
| Hind udder, full in form, well up behind, good width, mellow, even.  |           |            |            | 10        |            |            |
| Milk veins, large, long, elastic, tortuous.  | 5         |            |            | 6         |            |            |
| Milk wells, large.   |           |            |            | 2         |            |            |
| Teats, 2½ to 3 inches long, good size, well placed.  |           |            |            | 4         |            |            |
| Rudimentary, four; large, well placed.   | 10        |            |            |           |            |            |
| Total.   | 100       |            |            | 100       |            |            |

NOTE.—A defective teat or udder disqualifies. Matured males should weigh from 1,000 to 2,000 pounds; females, 750 to 1,400 pounds.

## Oklahoma Agricultural and Mechanical College.

| Scale of points.   | Possible score. | Name of animals. |  |  |
|--|-----------------|------------------|--|--|
| General appearance—20 points:  |                 |                  |  |  |
| Weight, estimated, — pounds; actual, — pounds  |                 |                  |  |  |
| Form, wedge shape, as viewed from front and top; top line straight; great depth of barrel                            | 5               |                  |  |  |
| Quality, hair fine, soft; skin mellow, loose, medium thickness, secretion yellow; bone clean                         | 8               |                  |  |  |
| Style, active, vigorous, showing strong character; temperament inclined to nervousness, but not irritable or vicious | 7               |                  |  |  |
| Head and neck—8 points:  |                 |                  |  |  |
| Muzzle, broad, clearly defined; mouth and nostrils large   | 1               |                  |  |  |
| Eyes, large, prominent, clear, placid  | 1               |                  |  |  |
| Face, lean, somewhat long, fine between muzzle and eyes  | 1               |                  |  |  |
| Forehead, broad, full  | 2               |                  |  |  |
| Ears, texture fine; size medium; inside yellow   | 1               |                  |  |  |
| Neck, fine; length medium; throat clean; dewlap light  | 2               |                  |  |  |
| Fore quarters—4 points:  |                 |                  |  |  |
| Withers, lean, sharp   | 1               |                  |  |  |
| Shoulder, light, oblique   | 2               |                  |  |  |
| Legs, straight, short; shank fine  | 1               |                  |  |  |
| Body—26 points:  |                 |                  |  |  |
| Chest, deep, low; girth large; fore flank full   | 10              |                  |  |  |
| Barrel, ribs broad, long, wide apart; stomach large  | 10              |                  |  |  |
| Back, lean, straight, opened jointed   | 3               |                  |  |  |
| Loin, broad  | 2               |                  |  |  |
| Navel, large   | 1               |                  |  |  |
| Hind quarters—42 points:   |                 |                  |  |  |
| Hips, far apart  | 3               |                  |  |  |
| Rump, long, wide   | 3               |                  |  |  |
| Pin bones (or thurls), wide apart  | 1               |                  |  |  |
| Tail, long, slim; switch fine  | 1               |                  |  |  |
| Thighs, thin, long, wide apart   | 4               |                  |  |  |
| Escutcheon, spreading over thighs, extending high and wide; thigh ovals large  | 1               |                  |  |  |
| Legs, straight; shank fine   | 3               |                  |  |  |
| Udder, long, attached high and full behind, extending far in front and full; quarters even, free from fleshiness     | 18              |                  |  |  |
| Teats, large, evenly placed, cylindrical   | 4               |                  |  |  |
| Mammary veins, large, tortuous, branching; milk wells large  | 4               |                  |  |  |
| Total .....  | 100             |                  |  |  |

## Oregon State Agricultural College.

| Scale of points.   | Possible score. | Student's estimate. | Corrected. |
|--|-----------------|---------------------|------------|
| A. General appearance:<br>Weight, 800 to 1,200 pounds; estimated, — pounds; actual, — pounds                     |                 |                     |            |
| Form, wedge shape, as viewed from front and top  | 8               |                     |            |
| Quality, hair fine, soft; skin mellow, loose, medium thickness; secretion yellow; bone clean                     | 8               |                     |            |
| Temperament, nervous, indicated by lean appearance   | 5               |                     |            |
| B. Head and neck:<br>Muzzle, clean cut; mouth large; nostrils large  | 1               |                     |            |
| Eyes, full, mild, bright   | 1               |                     |            |
| Face, lean, long; expression quiet   | 1               |                     |            |
| Forehead, moderately broad, full   | 2               |                     |            |
| Ears, size medium; inside yellow; texture fine   | 1               |                     |            |
| Neck, fine; length medium; throat clean; dewlap light  | 2               |                     |            |
| C. Fore quarters:<br>Withers, lean, thin   | 1               |                     |            |
| Shoulders, light, oblique  | 2               |                     |            |
| Legs, straight, short; shank fine  | 3               |                     |            |
| D. Body:<br>Chest, deep, low; girth large  | 8               |                     |            |
| Ribs, broad, long, wide apart; stomach large   | 10              |                     |            |
| Back, lean, straight, open jointed   | 3               |                     |            |
| Loin, broad  | 3               |                     |            |
| Flank, low   | 1               |                     |            |
| Navel, large   | 2               |                     |            |
| E. Hind quarters:<br>Hips, far apart, level between hooks  | 2               |                     |            |
| Rump, long, wide   | 2               |                     |            |
| Pin bones (or thrurls), high, wide apart   | 1               |                     |            |
| Tail, long, slim; switch fine  | 1               |                     |            |
| Thighs, thin, long   | 2               |                     |            |
| Escutcheon, spreading over thighs, extending high and wide; thigh ovals large                                    | 2               |                     |            |
| Udder, long, attached high and full behind, extending far in front and full; quarters even, free from fleshiness | 15              |                     |            |
| Teats, large, evenly placed  | 4               |                     |            |
| Mammary veins, large, tortuous   | 3               |                     |            |
| Milk wells, large  | 3               |                     |            |
| Legs, straight, far apart; shank fine  | 3               |                     |            |
| Total  | 100             |                     |            |

## The Pennsylvania State College.

| Scale of points.  | Perfect. | Student's estimate. | Corrected. |
|---|----------|---------------------|------------|
| General appearance:   |          |                     |            |
| Age, estimated, —; corrected, —                                     |          |                     |            |
| Weight, estimated, — pounds; corrected, — pounds                    |          |                     |            |
| Form, wedge-shaped viewed from front, side, and above               | 8        |                     |            |
| Quality, hair fine; skin soft, of medium thickness; bone fine,      |          |                     |            |
| clean   | 6        |                     |            |
| Temperament, sanguine, nervous                                      | 6        |                     |            |
|   | 20       |                     |            |
| Head:   |          |                     |            |
| Muzzle, clean cut; mouth large; nostrils wide, open                 | 1        |                     |            |
| Face, lean, long, slightly dished; expression contented             | 1        |                     |            |
| Eyes, full, mild, bright, clear                                     | 1        |                     |            |
| Forehead, broad, high   | 1        |                     |            |
| Ears, size medium; inside yellow; texture fine                      | 1        |                     |            |
|   | 5        |                     |            |
| Fore quarter:   |          |                     |            |
| Neck, thin; length medium; throat clean; dewlap small               | 2        |                     |            |
| Withers, lean, sharp  | 2        |                     |            |
| Shoulders, oblique, lean  | 1        |                     |            |
| Chest, deep, wide   | 3        |                     |            |
| Legs, straight, short, clean boned; cannon fine                     | 1        |                     |            |
|   | 9        |                     |            |
| Body:   |          |                     |            |
| Girth, large, estimated, — feet; corrected, — feet                  | 4        |                     |            |
| Ribs, well sprung, long, broad, far apart                           | 4        |                     |            |
| Back, high, lean  | 2        |                     |            |
| Vertebra, large; spaces wide, open                                  | 2        |                     |            |
| Loin, broad, strong   | 4        |                     |            |
| Abdomen, large, deep, showing great capacity                        | 8        |                     |            |
| Flank, deep, velvety, thin  | 1        |                     |            |
| Navel, large  | 1        |                     |            |
|   | 26       |                     |            |
| Hind quarter:   |          |                     |            |
| Hips, wide apart, level with back                                   | 3        |                     |            |
| Rump, long, high, wide; pelvis arching                              | 3        |                     |            |
| Pin bones, high, wide apart   | 2        |                     |            |
| Thigh, thin, incurving, well muscled                                | 4        |                     |            |
| Fore udder, extending well forward, full, not fleshy; quarters even | 8        |                     |            |
| Hind udder, attached high behind, full, not fleshy; quarters even   | 8        |                     |            |
| Teats, uniform, good size, well placed                              | 4        |                     |            |
| Milk veins, large, elastic, tortuous, branching                     | 3        |                     |            |
| Milk wells, large   | 4        |                     |            |
| Legs, clean boned, wide apart, straight; cannon fine                | 1        |                     |            |
|   | 40       |                     |            |
| Total   | 100      |                     |            |

## South Dakota Agricultural College.

Same as the Iowa card (see p. 61) for dairy cattle.

## State Agricultural and Mechanical College of the University of Tennessee.

|  | Scale of points. | Possible score. | Student's score. |
|--|------------------|-----------------|------------------|
| <b>A. General appearance:</b>  |                  |                 |                  |
| 1. Weight, 800 to 1,000 pounds; estimated, — pounds; actual, — pounds.   |                  | 6               | .....            |
| 2. Form, wedge-shaped as viewed from front, top, side, back, and rear.   |                  | 6               | .....            |
| 3. Quality, hair, fine, soft; skin of medium thickness, mellow, elastic; secretion yellow; bone, fine, clean.                  |                  | 6               | .....            |
| 4. Temperament, sanguine.  |                  | 4               | .....            |
| 5. Constitution, vigorous, robust, showing size and substance.   |                  | 5               | .....            |
| <b>B. Head and neck:</b>   |                  |                 |                  |
| 6. Muzzle, clean cut; mouth large; nostrils large.   |                  | 1               | .....            |
| 7. Eyes, full, clear, placid.  |                  | 1               | .....            |
| 8. Face, lean and long; expression quiet.  |                  | 1               | .....            |
| 9. Forehead, broad, high, full.  |                  | 2               | .....            |
| 10. Ears, texture fine; size medium.   |                  | 1               | .....            |
| 11. Neck, fine; length of neck medium; throat clean; dewlap light.   |                  | 2               | .....            |
| <b>C. Fore quarters:</b>   |                  |                 |                  |
| 12. Withers, lean, thin.   |                  | 1               | .....            |
| 13. Shoulders, light, slanting.  |                  | 2               | .....            |
| 14. Legs, straight, short; shank fine.   |                  | 3               | .....            |
| <b>D. Body:</b>  |                  |                 |                  |
| 15. Chest, deep, low; girth large.   |                  | 8               | .....            |
| 16. Ribs, broad, long, wide apart; stomach large.  |                  | 10              | .....            |
| 17. Back, lean, straight; vertebrae spaced.  |                  | 3               | .....            |
| 18. Loin, broad, muscular.   |                  | 3               | .....            |
| 19. Flank, thin, arching.  |                  | 1               | .....            |
| 20. Navel, large, well-defined.  |                  | 2               | .....            |
| <b>E. Hind quarters:</b>   |                  |                 |                  |
| 21. Hips, wide; space between hooks level.   |                  | 2               | .....            |
| 22. Rump, long, wide.  |                  | 2               | .....            |
| 23. Pin bones, high, wide apart.   |                  | 1               | .....            |
| 24. Tail, long, fine; switch fine.   |                  | 1               | .....            |
| 25. Thighs, long, thin.  |                  | 2               | .....            |
| 26. Escutcheon, spreading over thighs, extending far upward.   |                  | 2               | .....            |
| 27. Udder, long, capacious, but not pendulous, extending well up behind and far forward; quarters, even, free from fleshiness. |                  | 15              | .....            |
| 28. Teats, large, evenly placed.   |                  | 4               | .....            |
| 29. Milk veins, large, long, tortuous.   |                  | 3               | .....            |
| 30. Milk wells, large.   |                  | 3               | .....            |
| 31. Legs, straight, set well apart; shank fine.  |                  | 3               | .....            |
| <b>Total.</b>  |                  | 100             | .....            |

## State Agricultural and Mechanical College of the University of Tennessee.

|   | Scale of points. | Perfect score. | Student's score. |
|---|------------------|----------------|------------------|
| I. Primary considerations:  |                  |                |                  |
| 1. Weight, — pounds.  |                  | 3              |                  |
| 2. Size and substance, forage.  |                  | 4              |                  |
| 3. Style, attractive, sprightly; breeding apparent.   |                  | 4              |                  |
| 4. Appearance, wedge-shaped, angular.   |                  | 5              |                  |
| 5. Quality, skin thin, loose, elastic, mellow; flesh firm; hairsoft, fine, silky.   |                  |                |                  |
| II. Nervous energy:   |                  |                |                  |
| 6. Temperament, active, controlled.   |                  | 5              |                  |
| 7. Eyes, large, clear, bright, mild, placid, free from white.   |                  | 6              |                  |
| 8. Forehead, broad, high; face dished.  |                  | 3              |                  |
| 9. Ears, broad, thin, active.   |                  | 2              |                  |
| 10. Spinal column, long, prominent, open.   |                  | 4              |                  |
| 11. Milk veins, branching, long, tortuous.  |                  | 4              |                  |
| 12. Navel, large, defined.  |                  | 2              |                  |
| III. Structural anatomy:  |                  |                |                  |
| 13. Contour, clean-cut, smooth, correlated, symmetrical, free from patchiness and offal.                                  |                  | 2              |                  |
| 14. Head, medium in size; muzzle refined; mouth large; face lean, long.   |                  | 1              |                  |
| 15. Neck, fine; length medium; flat on side; throat clean; dewlap light.  |                  | 1              |                  |
| 16. Withers, narrow on top, spreading; shoulder light, slanting.  |                  | 1              |                  |
| 17. Back, straight, strong, well muscled.   |                  | 2              |                  |
| 18. Loin, broad, strong.  |                  | 3              |                  |
| 19. Pelvic arch, prominent, bare; pin bones high, wide.   |                  | 2              |                  |
| 20. Flank, high; twist open; thigh thin, incurved.  |                  | 1              |                  |
| 21. Bones, medium; joints fine, flat; horns small, waxy; tail long, slim.   |                  | 2              |                  |
| IV. Digestion and assimilation:   |                  |                |                  |
| 22. Nostrils, medium-sized, clear, bright.  |                  | 1              |                  |
| 23. Breast and brisket, prominent, angular.   |                  | 1              |                  |
| 24. Chest, wide, deep, long; girth large.   |                  | 8              |                  |
| 25. Barrel, medium long, broad on top, deep, capacious.   |                  | 9              |                  |
| 26. Ribs, flat, spaced, well sprung; chine open.  |                  | 3              |                  |
| V. Milk indications:  |                  |                |                  |
| 27. False ribs, suppressed; barrel depression marked.   |                  | 3              |                  |
| 28. Udder, long, capacious, balanced, free from fleshiness, strongly attached, collapsed when empty; teats evenly placed. |                  | 8              |                  |
| 29. Escutcheon, spreading over thighs, extending well upward.   |                  | 3              |                  |
| 30. Milk veins, large, tortuous, long, branched; milk wells large.  |                  | 6              |                  |
| 31. Skin of ear and udder yellow; secretions yellow.  |                  | 1              |                  |
| Total.  |                  | 100            |                  |

## Agricultural and Mechanical College of Texas.

|   | Scale of points. | Possible score. | Student's score. | Corrected. |
|---|------------------|-----------------|------------------|------------|
| A. General appearance:  |                  |                 |                  |            |
| Weight, 800 to 1,000 pounds, estimated, — pounds.   |                  |                 |                  |            |
| Form, wedge-shaped as viewed from front, top, and back.   | 8                |                 |                  |            |
| Quality, hair fine, soft; skin of medium thickness, mellow, elastic; secretion yellow; bone fine, clean.                  | 8                |                 |                  |            |
| Temperament, sanguine.  | 5                |                 |                  |            |
| B. Head and neck:   |                  |                 |                  |            |
| Muzzle, clean cut; mouth large; nostrils large.   | 1                |                 |                  |            |
| Eyes, full, mild, bright.   | 1                |                 |                  |            |
| Face, lean, long; expression quiet.   | 1                |                 |                  |            |
| Forehead, broad, high, full.  | 2                |                 |                  |            |
| Ears, texture fine; size medium.  | 1                |                 |                  |            |
| Neck, fine; length of neck medium; throat clean; dewlap light.  | 2                |                 |                  |            |
| C. Fore quarters:   |                  |                 |                  |            |
| Withers, lean, thin.  | 1                |                 |                  |            |
| Shoulders, light, slanting.   | 2                |                 |                  |            |
| Legs, straight, short; shank fine.  | 3                |                 |                  |            |
| D. Body:  |                  |                 |                  |            |
| Chest, deep, low; girth large.  | 8                |                 |                  |            |
| Ribs, broad, long, wide apart; stomach large.   | 10               |                 |                  |            |
| Back, lean, straight, open jointed.   | 3                |                 |                  |            |
| Loin, broad.  | 3                |                 |                  |            |
| Flank, low.   | 1                |                 |                  |            |
| Navel, large.   | 2                |                 |                  |            |
| E. Hind quarters:   |                  |                 |                  |            |
| Hips, far apart; space between hooks level.   | 2                |                 |                  |            |
| Rump, long, wide.   | 2                |                 |                  |            |
| Pin bones, high, wide apart.  | 1                |                 |                  |            |
| Tail, long, fine; switch fine.  | 1                |                 |                  |            |
| Thigh, long, thin.  | 2                |                 |                  |            |
| Escutcheon, spreading over thighs, extending far upwards.   | 2                |                 |                  |            |
| Udder, long, capacious, but not pendulous, extending well up behind and far forward; quarters even, free from fleshiness. | 15               |                 |                  |            |
| Teats, large, evenly placed.  | 4                |                 |                  |            |
| Milk veins, large, long, tortuous.  | 3                |                 |                  |            |
| Milk wells, large.  | 3                |                 |                  |            |
| Legs, straight, set well apart; shank fine.   | 3                |                 |                  |            |
| Total.  | 100              |                 |                  |            |

## Agricultural College of Utah.

| Scale of points.  | Score.    |            |            |           |
|---|-----------|------------|------------|-----------|
|   | Male.     |            | Female.    |           |
|   | Standard. | Student's. | Corrected. | Standard. |
| A. General appearance:  |           |            |            |           |
| Age, estimated, —; corrected, —   |           |            |            | 1         |
| Weight, estimated, — pounds; actual, — pounds   |           |            |            |           |
| Form, wedge shaped as viewed from front, side, and top  |           |            |            | 8         |
| Form, shapely, masculine, medium height   | 8         |            |            |           |
| Quality, hair fine, silky; skin mellow, loose, medium thickness; secretions yellow; bone clean; horns small at base         | 7         |            | 7          |           |
| Temperament, nervous, indicated by lean appearance  | 4         |            | 4          |           |
| B. Head and neck:   |           |            |            |           |
| Muzzle, clean cut; mouth large, broad; nostrils large   | 1         |            | 1          |           |
| Eyes, large, bright, full, placid   | 2         |            | 2          |           |
| Face, lean, long; expression quiet  | 1         |            | 1          |           |
| Forehead, full above, broad, slightly dished between the eyes; not too wide between the horns                               | 2         |            | 1          |           |
| Ears, well set; size medium; inside yellow; texture fine  | 1         |            | 1          |           |
| Neck, fine, but joining strong at head, rather long; throat clean; dewlap light   |           |            |            | 2         |
| Neck, neatly joined to head and shoulders, of good length; masculine and strong of bearing; nearly free of dewlap           | 3         |            |            |           |
| C. Fore quarters:   |           |            |            |           |
| Withers, lean, thin   |           |            |            | 1         |
| Withers, well rounded, even on top  | 2         |            |            |           |
| Shoulders, lean, strong, oblique  | 4         |            | 2          |           |
| Legs, straight, short; shanks fine; hoofs broad, sloping  | 1         |            | 1          |           |
| D. Body:  |           |            |            |           |
| Chest, deep, low, full; girth large; brisket light, thin  | 8         |            | 8          |           |
| Ribs, broad, long, well sprung, wide apart  | 3         |            | 3          |           |
| Stomach (or belly), large, deep, roomy  | 8         |            | 8          |           |
| Back, fairly level, not too straight, standing out well; spine large, lean, open-jointed                                    | 3         |            | 2          |           |
| Loin, broad, lean   | 5         |            | 2          |           |
| Flank, moderately low, thin   | 2         |            | 1          |           |
| Navel, large, prominent   | 3         |            | 1          |           |
| E. Hind quarters:   |           |            |            |           |
| Hip, wide apart, arched between   | 2         |            | 2          |           |
| Rump, long, wide, arched, not fleshy  | 2         |            | 3          |           |
| Pin bones (or thurls), high, wide apart   | 1         |            | 1          |           |
| Thighs, long, thin, incurved, giving room for udder   | 4         |            | 2          |           |
| Legs, straight, short, wide apart; shanks fine  | 2         |            | 2          |           |
| Tail, long, slim, reaching to hocks; switch fine  | 1         |            | 1          |           |
| F. Udder and rudimentaryes (milk-secreting organs):   |           |            |            |           |
| Udder, long, attached high and full behind, extending far in front and full; quarters even                                  |           |            |            | 12        |
| Udder, capacious, flexible; skin loose, pliable, covered with short, fine hair; some substance in structure, but not fleshy |           |            |            | 7         |
| Teats, size and length, medium; evenly placed, wide apart   | 10        |            | 5          |           |
| Rudimentaryes, four; large, well placed   |           |            |            |           |
| Milk veins, large, long, tortuous; entering large orifices, which are well forward  | 5         |            | 6          |           |
| Escutcheon, spreading over thighs; extending high and wide; thigh ovals large   | 5         |            | 3          |           |
| Total.....  | 100       |            | 101        |           |

## Virginia Agricultural and Mechanical College and Polytechnic Institute.

Same as the Iowa card (see p. 61) for dairy cattle

## Washington Agricultural College and School of Science.

| Scale of points.   | Perfect. | Student's score. | Corrected score. |
|--|----------|------------------|------------------|
| General appearance—21:   |          |                  |                  |
| Weight, estimated, — pounds; actual, — pounds  |          |                  |                  |
| Age, estimated, —; actual, —   |          |                  |                  |
| Form, wedge shaped, as viewed from front, side, and above                            | 10       |                  |                  |
| Quality, hair fine; skin soft, medium thickness; bone clean                          | 5        |                  |                  |
| Temperament, nervous   | 6        |                  |                  |
| Head—7:  |          |                  |                  |
| Muzzle, clean cut; mouth large; nostrils large                                       | 1        |                  |                  |
| Face, lean, long, dishing  | 2        |                  |                  |
| Eyes, full, mild, bright   | 1        |                  |                  |
| Forehead, broad; horns small at base   | 2        |                  |                  |
| Ears, size medium; inside yellow; texture fine                                       | 1        |                  |                  |
| Fore quarters—9:   |          |                  |                  |
| Neck, thin; length medium  | 2        |                  |                  |
| Withers, sharp, lean   | 3        |                  |                  |
| Shoulders, light, oblique  | 1        |                  |                  |
| Legs, short, straight, fine shanked  | 2        |                  |                  |
| Brisket, thin, sharp   | 1        |                  |                  |
| Body—25:   |          |                  |                  |
| Chest, deep; girth at heart large ( — feet, — inches)                                | 7        |                  |                  |
| Ribs, broad, long, far apart   | 3        |                  |                  |
| Belly, large, roomy  | 7        |                  |                  |
| Back, lean, straight, open-jointed   | 3        |                  |                  |
| Loin, broad  | 2        |                  |                  |
| Flank, deep  | 2        |                  |                  |
| Navel, large   | 1        |                  |                  |
| Hind quarters—88:  |          |                  |                  |
| Hips, far apart, level between them  | 3        |                  |                  |
| Rump, long, high   | 2        |                  |                  |
| Pin bones, high, wide apart  | 1        |                  |                  |
| Tail, long, reaching hocks; switch finely developed                                  | 1        |                  |                  |
| Thighs, thin, incurving  | 2        |                  |                  |
| Escutcheon, wide, extending far up   | 1        |                  |                  |
| Udder, extending far up behind and far in front; quarters even, free from fleshiness | 16       |                  |                  |
| Teats, well shaped, neither too large nor too small; evenly placed                   | 5        |                  |                  |
| Milk veins, large, tortuous  | 3        |                  |                  |
| Milk wells, large  | 2        |                  |                  |
| Legs, straight, far apart; shank fine  | 2        |                  |                  |
| Total  | 100      |                  |                  |

## Washington Agricultural College and School of Science.

|  | Scale of points. | Perfect. | Student's score. |
|--|------------------|----------|------------------|
| <b>I. Digestive apparatus:</b>   |                  |          |                  |
| 1. Abdomen, deep, wide, giving triangular form, as seen from side and top view; ribs well arched (not dropping too soon after leaving backbone) .....  | 20               | 5        |                  |
| 2. Muzzle and jaw, large, showing eating capacity .....  | 25               |          |                  |
|  |                  |          |                  |
| <b>II. Temperament:</b>  |                  |          |                  |
| 1. Thighs, thin, incurving .....   | 4                |          |                  |
| 2. Hips, wide, prominent, but strong .....   | 3                |          |                  |
| 3. Backbone, well developed, not too deeply covered with flesh .....   | 3                |          |                  |
| 4. Legs, short, small, thin skinned .....  | 4                |          |                  |
| 5. Shoulders, light, with sharp rather than round withers .....  | 4                |          |                  |
| 6. Brisket, V-shaped rather than U-shaped .....  | 2                |          |                  |
| 7. Neck, not fleshy .....  | 2                |          |                  |
| 8. Skull, wide in region of brain, showing large brain .....   | 3                |          |                  |
|  | 25               |          |                  |
|  |                  |          |                  |
| <b>III. Shoulders:</b>   |                  |          |                  |
| 1. Chest, deep, wide; fore legs not close together; nostrils wide, flaring; these points indicate large lungs and heart .....  | 8                |          |                  |
| 2. Pelvic bones, large; rump prominent, clear to base of tail; tail long; switch well developed .....  | 7                |          |                  |
| 3. Eyes, bright; skin soft, pliant; hair smooth, glossy; all indicating health and vigor .....   | 5                |          |                  |
|  | 20               |          |                  |
|  |                  |          |                  |
| <b>IV. Milk organs:</b>  |                  |          |                  |
| 1. Udder, large, lower outline a semicircle when distended; attachment to body long, extending far up behind and far out in front; plenty of glandular tissue within, but showing loose folds behind when empty; quarters even ..... | 12               |          |                  |
| 2. Teats, good size, well shaped, easy to milk, not too close together .....   | 5                |          |                  |
| 3. Milk veins, large, tortuous; veins on udder prominent [escutcheon wide, regular, extending far up(?)] .....   | 8                |          |                  |
| 4. Hips and loins, wide; legs far apart, giving room for large udder .....   | 5                |          |                  |
|  | 30               |          |                  |
|  |                  |          |                  |
| <b>Total.</b>  |                  | 100      |                  |
|  |                  |          |                  |
| <b>V. Training:</b>  |                  |          |                  |
| 1. Flow, constant, regular till near calving, having been milked, fed regularly, and never allowed to nurse calf more than a few days .....  | 50               |          |                  |
| 2. No vicious habits such as kicking, hooking, jumping, etc .....  | 50               |          |                  |
|  | 100              |          |                  |
|  |                  |          |                  |
| <b>Total.</b>  |                  | 200      |                  |

## College of Agriculture of the University of Wisconsin.

| Scale of points.  | Possible score. | Points deficient. |            |
|---|-----------------|-------------------|------------|
|   |                 | Student's score.  | Corrected. |
| <b>General appearance—17 points:</b>  |                 |                   |            |
| Weight, estimated, — pounds.  | 5               |                   |            |
| Form, wedge shaped as viewed from front, side, and top  |                 |                   |            |
| Quality, hair fine, soft; skin mellow, loose, medium thickness; secretion yellow; bone clean, fine.                                     | 4               |                   |            |
| Temperament, nervous, indicated by marked refinement in head, neck, and fore quarters; backbone prominent, well defined.                | 8               |                   |            |
| <b>Head and neck—13 points:</b>   |                 |                   |            |
| Muzzle, clean cut; mouth large; nostrils wide.  | 2               |                   |            |
| Eyes, large, bright, full   | 2               |                   |            |
| Face, refined, long; expression quiet   | 2               |                   |            |
| Forehead, broad, slightly dishing   | 2               |                   |            |
| Ears, size medium; inside yellow; texture fine  | 1               |                   |            |
| Neck, fine, thin; length medium; throat clean; dewlap light   | 4               |                   |            |
| <b>Fore quarters—7 points:</b>  |                 |                   |            |
| Shoulders, light, sloping, backbone rising well between the blades  | 4               |                   |            |
| Breast, pointed; brisket light.   | 2               |                   |            |
| Legs, straight, short; shank fine   | 1               |                   |            |
| <b>Body—20 points:</b>  |                 |                   |            |
| Chest, deep; foreflank full.  | 5               |                   |            |
| Barrel, large; ribs broad, deep, wide apart   | 9               |                   |            |
| Back, straight, strong; prominences clearly defined.  | 3               |                   |            |
| Loin, broad; coupling roomy   | 3               |                   |            |
| <b>Hind quarters—15 points:</b>   |                 |                   |            |
| Hips, far apart, prominent, level with the back   | 2               |                   |            |
| Rump, long, wide; pelvis roomy  | 5               |                   |            |
| Tail, well set, long, tapering; switch heavy  | 1               |                   |            |
| Thighs, thin, long, wide apart; twist very open   | 5               |                   |            |
| Legs, straight, far apart; shank fine   | 1               |                   |            |
| Escutcheon, spreading over thighs, extending high and wide; thigh oval large  | 1               |                   |            |
| <b>Milk organs—28 points:</b>   |                 |                   |            |
| Udder, symmetrical, broad, extending well forward and well up between thighs, free from fleshiness, well held up; quarters even in size | 18              |                   |            |
| Teats, good size, evenly placed   | 4               |                   |            |
| Milk veins, large, tortuous, branching; milk wells large, numerous  | 6               |                   |            |
| <b>Total</b>  | 100             |                   |            |

## HOGS.

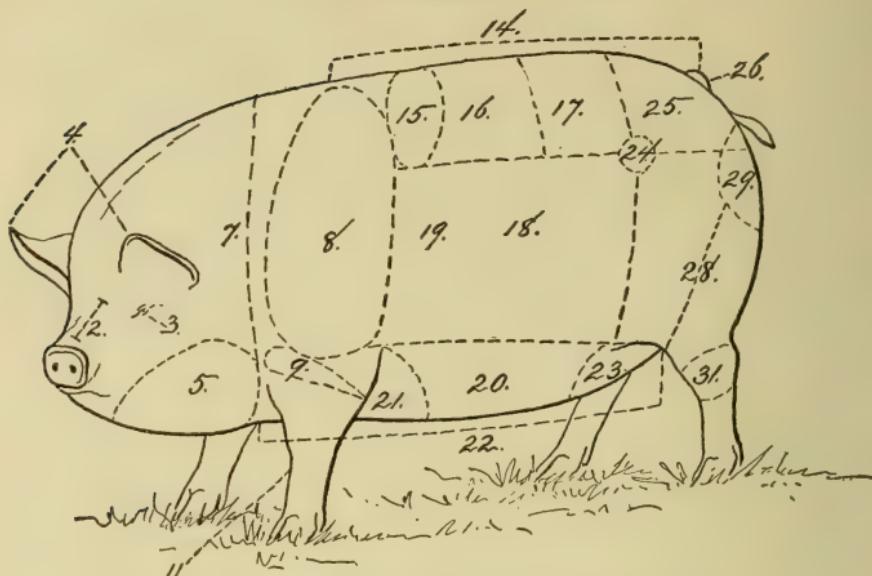


FIG. 6.—Points of the hog, three-quarters front view.

|                                 |              |                                |              |
|---------------------------------|--------------|--------------------------------|--------------|
| 2. Face.                        | 9. Arm.      | 19. Ribs.                      | 25. Rump.    |
| 3. Eye.                         | 11. Leg.     | 20. Belly.                     | 26. Tail.    |
| 4. Ears.                        | 14. Topline. | 21. Fore flank.                | 28. Thigh.   |
| 5. Jowl.                        | 15. Crops.   | 22. Underline, or bot topline. | 29. Buttock. |
| 7. Shoulder vein, or neck vein. | 16. Back.    | 23. Hind flank.                | 31. Hock.    |
| 8. Shoulder.                    | 17. Loin.    | 24. Hip.                       |              |
|                                 | 18. Side.    |                                |              |

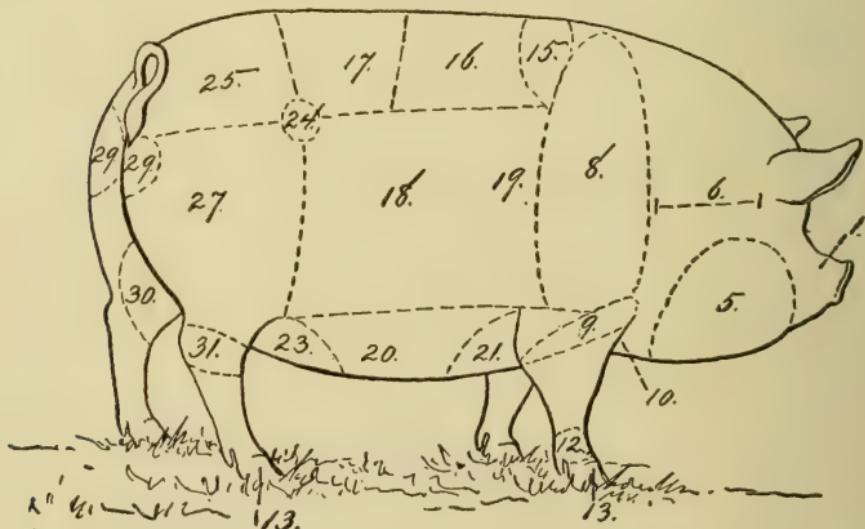


FIG. 7.—Points of the hog, side view.

|                         |              |                 |                       |
|-------------------------|--------------|-----------------|-----------------------|
| 1. Snout.               | 12. Pastern. | 19. Ribs.       | 27. Ham, or gammon.   |
| 5. Jowl.                | 13. Feet.    | 20. Belly.      | 29. Buttocks.         |
| 6. Neck.                | 15. Crops.   | 21. Fore flank. | 30. Twist, or crotch. |
| 8. Shoulder.            | 16. Back.    | 23. Hind flank. | 31. Hock.             |
| 9. Arm.                 | 17. Loin.    | 24. Hip.        |                       |
| 10. Breast, or brisket. | 18. Side.    | 25. Rump.       |                       |

## Alabama Polytechnic Institute.

| Scale of points.  | Possible score. | Student's score. | Judge's score. |
|---|-----------------|------------------|----------------|
| <b>General appearance:</b>  |                 |                  |                |
| Weight, score according to age  | 6               |                  |                |
| Form, deep, broad, low, long, symmetrical, compact, standing squarely on legs                               | 8               |                  |                |
| Quality, hair silky; skin fine; bone fine; flesh smooth, mellow, free from lumps or wrinkles                | 8               |                  |                |
| Condition, deep, even covering of flesh, especially in region of valuable cuts                              | 8               |                  |                |
| Objections, scurfy, coarse or wrinkly skin; hair coarse, bristly; bone coarse; unequal development of parts |                 |                  |                |
| <b>Head and neck:</b>   |                 |                  |                |
| Snout, length medium; not coarse  | 1               |                  |                |
| Eyes, full, mild, bright, well set  | 1               |                  |                |
| Face, short, cheeks full  | 1               |                  |                |
| Ears, fine; size medium; soft   | 1               |                  |                |
| Jowl, strong, neat, broad   | 1               |                  |                |
| Neck, thick; length medium  | 1               |                  |                |
| Objections, face, long, narrow, straight; narrow between eyes; jowl flabby, pendant; neck tucked up         |                 |                  |                |
| <b>Fore quarters:</b>   |                 |                  |                |
| Shoulder, broad, deep, full, compact on top, same width as back and hind quarters                           | 6               |                  |                |
| Breast, moderately wide, full   | 2               |                  |                |
| Legs, straight, strong, short; bone clean; pasterns upright; feet medium size                               | 2               |                  |                |
| Objections, weak knees and pasterns; legs close together, crooked; shoulders narrow, shallow                |                 |                  |                |
| <b>Body:</b>  |                 |                  |                |
| Chest, deep, broad; girth full  | 4               |                  |                |
| Sides, deep, long, full; ribs close, well sprung  | 6               |                  |                |
| Back, broad, straight, uniform width, thickly and evenly fleshed  | 11              |                  |                |
| Loin, wide, thick, straight   | 10              |                  |                |
| Belly, straight, even; flank well let down  | 4               |                  |                |
| Objections, depression behind shoulders; girth small; loin narrow; back drooping; belly narrow              |                 |                  |                |
| <b>Hind quarters:</b>   |                 |                  |                |
| Hips, wide apart, smooth  | 2               |                  |                |
| Rump, long, wide, evenly fleshed, straight  | 2               |                  |                |
| Ham, heavily fleshed, plump, full, deep, wide   | 10              |                  |                |
| Thigh, fleshed close to hocks, full in crotch   | 2               |                  |                |
| Legs, straight, strong, short; bone clean; pasterns upright; feet medium size                               | 2               |                  |                |
| Tail, well set on; size medium; curled  | 1               |                  |                |
| Objections, hips and rump narrow; rump short, steep; ham and thigh thin and shallow                         |                 |                  |                |
| <b>Total</b>  | 100             |                  |                |

## Kansas State Agricultural College.

|                      | Possible score. | Student's score. | Judge's score. |
|----------------------|-----------------|------------------|----------------|
| 1. Head              | 4               |                  |                |
| 2. Eyes              | 2               |                  |                |
| 3. Ears              | 2               |                  |                |
| 4. Neck              | 2               |                  |                |
| 5. Jowl              | 2               |                  |                |
| 6. Shoulders         | 6               |                  |                |
| 7. Chest             | 12              |                  |                |
| 8. Back and loins    | 14              |                  |                |
| 9. Sides and rib     | 10              |                  |                |
| 10. Belly and flank  | 4               |                  |                |
| 11. Ham and rump     | 10              |                  |                |
| 12. Feet and legs    | 10              |                  |                |
| 13. Tail             | 1               |                  |                |
| 14. Coat             | 3               |                  |                |
| 15. Color            | 3               |                  |                |
| 16. Size             | 5               |                  |                |
| 17. Action and style | 3               |                  |                |
| 18. Condition        | 2               |                  |                |
| 19. Disposition      | 2               |                  |                |
| 20 Symmetry          | 3               |                  |                |
| <b>Total</b>         | 100             |                  |                |

## Michigan State Agricultural College.

| Scale of points.   | Perfect. | Student's estimate. | Corrected. |
|--|----------|---------------------|------------|
| <b>General appearance:</b>   |          |                     |            |
| Weight, estimated, — pounds; actual, — pounds .....                      | 6        |                     |            |
| Size, according to age and breed.....                                    | 8        |                     |            |
| Form, deep, low down, broad; standing firmly and squarely on legs.....   | 8        |                     |            |
| Quality, bone clean, medium fineness; hair silky, without bristles ..... | 5        |                     |            |
| Disposition, quiet.....  | 27       |                     |            |
|  |          |                     |            |
| <b>Head and neck:</b>  |          |                     |            |
| Snout, length medium .....   | 1        |                     |            |
| Eyes, prominent, clear, bright .....                                     | 1        |                     |            |
| Face, short; cheeks prominent .....                                      | 1        |                     |            |
| Ears, fine, silky; size medium .....                                     | 1        |                     |            |
| Jowl, large, neat, full to brisket and shoulder .....                    | 1        |                     |            |
| Neck, short, thick, broad on top .....                                   | 2        |                     |            |
|  | 7        |                     |            |
|  |          |                     |            |
| <b>Fore quarters:</b>  |          |                     |            |
| Shoulder, broad, deep, compact, full.....                                | 9        |                     |            |
| Breast, moderately projecting, wide, deep.....                           | 3        |                     |            |
| Legs, straight, short, well placed outside.....                          | 3        |                     |            |
| Feet, strong; standing well on the toes .....                            | 3        |                     |            |
|  | 18       |                     |            |
|  |          |                     |            |
| <b>Body:</b>   |          |                     |            |
| Girth, large .....   | 2        |                     |            |
| Chest, deep, wide, thick through the heart .....                         | 5        |                     |            |
| Side, close ribbed, long, deep, full .....                               | 8        |                     |            |
| Back, broad, straight, thick fleshed .....                               | 5        |                     |            |
| Loin, broad, thick, even .....   | 3        |                     |            |
| Belly, wide; bottomline straight .....                                   | 2        |                     |            |
| Flank, low, continuing bottomline .....                                  | 2        |                     |            |
|  | 27       |                     |            |
|  |          |                     |            |
| <b>Hind quarters:</b>  |          |                     |            |
| Hips, wide apart, smooth .....   | 3        |                     |            |
| Rump, long, broad, even, full .....                                      | 3        |                     |            |
| Hams, thickly fleshed, broad, long, fleshed low down .....               | 9        |                     |            |
| Legs, straight, short, well placed outside .....                         | 3        |                     |            |
| Feet, strong; standing well upon toes .....                              | 3        |                     |            |
|  | 21       |                     |            |
|  |          |                     |            |
| <b>Total</b> .....   | 100      |                     |            |

## College of Agriculture and Mechanic Arts of the University of Missouri.

| Scale of points.   | Perfect. | Student's estimate. | Corrected. |
|--|----------|---------------------|------------|
| <b>General appearance:</b>   |          |                     |            |
| Weight, estimated, — pounds; actual, — pounds .....                      |          |                     |            |
| Size, according to age .....   | 6        |                     |            |
| Form, deep, low down, broad; standing firmly and squarely on legs .....  | 7        |                     |            |
| Quality, bone clean, medium fineness; hair silky, without bristles ..... | 8        |                     |            |
| Disposition, quiet .....   | 5        |                     |            |
|  | 26       |                     |            |
| <b>Head and neck:</b>  |          |                     |            |
| Snout, length medium .....   | 1        |                     |            |
| Eyes, prominent, clear, bright .....                                     | 1        |                     |            |
| Face, short; cheeks prominent .....                                      | 1        |                     |            |
| Ears, fine, silky; size medium .....                                     | 1        |                     |            |
| Jowl, large, neat, full to brisket and shoulder .....                    | 1        |                     |            |
| Neck, short, thick, broad on top .....                                   | 2        |                     |            |
|  | 7        |                     |            |
| <b>Fore quarters:</b>  |          |                     |            |
| Shoulder vein, full .....  | 2        |                     |            |
| Shoulder, broad, deep, compact .....                                     | 8        |                     |            |
| Breast, moderately projecting, wide, deep .....                          | 3        |                     |            |
| Legs, straight, short, strong, well placed outside .....                 | 6        |                     |            |
|  | 19       |                     |            |
| <b>Body:</b>   |          |                     |            |
| Girth, large, — feet, — inches .....                                     | 2        |                     |            |
| Chest, deep, wide .....  | 5        |                     |            |
| Sides, close ribbed, long, deep, full .....                              | 8        |                     |            |
| Pack, broad, straight, thick fleshed .....                               | 5        |                     |            |
| Loin, broad, thick, even .....   | 3        |                     |            |
| Belly, wide; bottom line straight .....                                  | 2        |                     |            |
| Flank, low, continuing bottom line .....                                 | 2        |                     |            |
|  | 27       |                     |            |
| <b>Hind quarters:</b>  |          |                     |            |
| Hips, wide apart, smooth .....   | 3        |                     |            |
| Rump, long, broad, even, full .....                                      | 3        |                     |            |
| Hams, thickly fleshed, broad, long, fleshed low down .....               | 9        |                     |            |
| Legs, straight, short, strong, well placed outside .....                 | 6        |                     |            |
|  | 21       |                     |            |
| <b>Total</b> .....   | 100      |                     |            |

## New Hampshire College of Agriculture and the Mechanic Arts.

| Scale of points.  | Perfect score. | Points deficient. |            |
|---|----------------|-------------------|------------|
|   |                | Student's score.  | Corrected. |
| A. General appearance:  |                |                   |            |
| Weight, estimated, — pounds; actual, — pounds                           | 6              |                   |            |
| Score, according to age   |                |                   |            |
| Form, deep, broad, low, symmetrical, compact; standing squarely on legs | 8              |                   |            |
| Quality, bone clean; hair silky; skin fine                              | 8              |                   |            |
| Disposition, quiet  | 5              |                   |            |
| B. Head and neck  |                |                   |            |
| Snout, length medium; not coarse  | 1              |                   |            |
| Eyes, full, mild, bright, large   | 1              |                   |            |
| Face, short; cheeks full  | 1              |                   |            |
| Ears, fine, soft; size medium   | 1              |                   |            |
| Jowl, strong, neat, broad   | 1              |                   |            |
| Neck, thick; length medium  | 1              |                   |            |
| C. Fore quarters:   |                |                   |            |
| Shoulder vein, full   | 1              |                   |            |
| Shoulder, broad, deep, full, compact on top                             | 8              |                   |            |
| Breast, advanced, wide  | 2              |                   |            |
| Legs, straight, short, strong; feet medium size                         | 4              |                   |            |
| D. Body:  |                |                   |            |
| Chest, deep, broad; girth large   | 10             |                   |            |
| Sides, deep, lengthy, closely ribbed                                    | 8              |                   |            |
| Back, broad, straight, thickly and evenly fleshed                       | 4              |                   |            |
| Loin, wide, thick   | 3              |                   |            |
| Belly, straight   | 2              |                   |            |
| Flank, even with underline  | 2              |                   |            |
| E. Hind quarters:   |                |                   |            |
| Hips, wide apart, smooth  | 3              |                   |            |
| Rump, long, wide, evenly fleshed, straight                              | 3              |                   |            |
| Hams, heavily fleshed, deep, wide                                       | 8              |                   |            |
| Thighs, fleshed close to hocks  | 4              |                   |            |
| Tail, tapering  | 1              |                   |            |
| Legs, straight, short, strong; feet medium size                         | 4              |                   |            |
| Total   | 100            |                   |            |

## North Carolina College of Agriculture and Mechanic Arts.

Same as the New Hampshire card (see above) for hogs.

## North Dakota Agricultural College.

| Scale of points. <sup>a</sup>  | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| <b>General appearance:</b>   |                |                   |            |
| Weight, estimated, — pounds; actual, — pounds; score according to age.         | 6              |                   |            |
| Form, deep, broad, low, long, symmetrical, compact; standing squarely on legs. | 8              |                   |            |
| Quality, bone clean; hair silky; skin fine.                                    | 8              |                   |            |
| Disposition, quiet.  | 5              |                   |            |
| <b>Head and neck:</b>  |                |                   |            |
| Snout, length medium, not coarse.  | 1              |                   |            |
| Eyes, full, mild, bright, large.   | 1              |                   |            |
| Face, short; cheeks full.  | 1              |                   |            |
| Ears, fine; size medium; soft.   | 1              |                   |            |
| Jowl, strong, neat, broad.   | 1              |                   |            |
| Neck, thick; length medium.  | 1              |                   |            |
| <b>Fore quarters:</b>  |                |                   |            |
| Shoulder vein, full.   | 2              |                   |            |
| Shoulder, broad, deep, full, compact on top.                                   | 8              |                   |            |
| Breast, advanced, wide.  | 2              |                   |            |
| Legs, straight, short, strong; feet medium size.                               | 5              |                   |            |
| <b>Body:</b>   |                |                   |            |
| Chest, deep, broad; girth large.   | 8              |                   |            |
| Sides, deep, lengthy, closely ribbed.  | 8              |                   |            |
| Back, straight, broad, thickly and evenly fleshed.                             | 4              |                   |            |
| Loins, wide, thick.  | 3              |                   |            |
| Belly, straight.   | 2              |                   |            |
| Flank, even with under line.   | 2              |                   |            |
| <b>Hind quarters:</b>  |                |                   |            |
| Hips, wide apart, smooth.  | 3              |                   |            |
| Rump, long, wide, evenly fleshed, straight.                                    | 3              |                   |            |
| Hams, heavily fleshed, deep, wide.   | 8              |                   |            |
| Thighs, fleshed close to hocks.  | 4              |                   |            |
| Legs, straight, short, strong; feet medium size.                               | 5              |                   |            |
| <b>Total</b>   | 100            |                   |            |

<sup>a</sup> After Craig.

## Oklahoma Agricultural and Mechanical College.

| Scale of points.   | Possible score. | Name of animals. |  |
|--|-----------------|------------------|--|
| <b>General appearance—40 points:</b>   |                 |                  |  |
| Weight: Six months, 200 pounds; 12 months, 350 pounds; 18 months, 450 pounds; 24 months, 500 pounds. |                 |                  |  |
| Estimated, pounds.   |                 |                  |  |
| Actual, pounds.  |                 |                  |  |
| According to age.  | 8               |                  |  |
| Form, deep, broad, low, long, symmetrical, compact; standing squarely on legs.                       | 10              |                  |  |
| Quality, bone clean; hair silky; skin fine; flesh free from lumps and wrinkles.                      | 10              |                  |  |
| Condition, deep, even covering of flesh, especially in region of valuable cuts.                      | 12              |                  |  |
| <b>Head and neck—6 points:</b>   |                 |                  |  |
| Snout, length medium; not coarse.  | 1               |                  |  |
| Eyes, full, bright, large.   | 1               |                  |  |
| Face, short; cheeks, full.   | 1               |                  |  |
| Ears, fine, soft; medium size.   | 1               |                  |  |
| Jowl, long, neat, broad, full to brisket and shoulder.   | 1               |                  |  |
| Neck, thick; length medium.  | 1               |                  |  |
| <b>Fore quarters—7 points:</b>   |                 |                  |  |
| Shoulder, broad, deep, full, compact on top.   | 5               |                  |  |
| Breast, advanced, broad.   | 1               |                  |  |
| Legs, straight, short, strong; pasterns upright.   | 1               |                  |  |
| <b>Body—28 points:</b>   |                 |                  |  |
| Chest, deep, broad; girth large.   | 4               |                  |  |
| Sides, deep, lengthy, close ribbed.  | 7               |                  |  |
| Back, broad, straight, thickly and evenly fleshed.   | 8               |                  |  |
| Loins, broad, thick.   | 5               |                  |  |
| Belly, straight, wide.   | 2               |                  |  |
| Flank, even with under line.   | 2               |                  |  |
| <b>Hind quarters—19 points:</b>  |                 |                  |  |
| Hips, smooth, wide apart.  | 2               |                  |  |
| Rump, long, wide, evenly fleshed, straight.  | 2               |                  |  |
| Hams, heavily fleshed, deep, wide, full.   | 12              |                  |  |
| Thighs, fleshed close to hocks.  | 2               |                  |  |
| Legs, straight, short, strong, well placed; pasterns upright.  | 1               |                  |  |
| <b>Total</b>   | 100             |                  |  |

## The Pennsylvania State College.

| Scale of points.  | Perfect score. | Points deficient. |            |
|---|----------------|-------------------|------------|
|   |                | Student's score.  | Corrected. |
| <b>General appearance:</b>  |                |                   |            |
| Weight, estimated, — pounds; actual, — pounds; score according to age.  | 5              |                   |            |
| Objections, undersize, overgrown, coarse, slow to fatten.   |                |                   |            |
| Form, deep, broad, low, long, symmetrical, compact, standing squarely on legs.  | 7              |                   |            |
| Objections, narrow hams; broad, heavy shoulders; loosely jointed, unsymmetrical.  |                |                   |            |
| Quality, bone clean; hair silky; skin fine.   | 6              |                   |            |
| Objections, bone large, coarse, without taper; pasterns long; hair coarse, harsh, not evenly distributed.   |                |                   |            |
| Disposition, quiet, gentle, easy to handle.   | 3              |                   |            |
| Objections, cross, restless, wild.  |                |                   |            |
| <b>Head and neck:</b>   |                |                   |            |
| Snout, length medium; not coarse.   | 2              |                   |            |
| Objections, long, thick, coarse.  |                |                   |            |
| Face, short; cheek, full.   | 2              |                   |            |
| Objections, long, narrow between eyes.  |                |                   |            |
| Eyes, full, mild, bright.   | 1              |                   |            |
| Objections, small, dull, deep set; vision impaired by wrinkles.   |                |                   |            |
| Ears, fine; size medium; soft.  | 2              |                   |            |
| Objections, large, coarse; knuckle long or large; difference in size or position one with another.  |                |                   |            |
| Jowl, strong, neat, broad.  | 2              |                   |            |
| Objections, light, flabby, rough, deeply wrinkled, not carrying fullness back to the shoulder or brisket.   |                |                   |            |
| Neck, thick; length medium.   | 2              |                   |            |
| Objections, long, flat, lacking in fullness and depth.  |                |                   |            |
| <b>Fore quarters:</b>   |                |                   |            |
| Shoulder, broad, deep, full, compact on top.  | 8              |                   |            |
| Objections, lacking in depth or width; thick beyond the line of sides and hams; extending above line of back; shield too coarse and prominent.                                  |                |                   |            |
| Breast, advanced, wide.   | 2              |                   |            |
| Objections, narrow, contracted.   |                |                   |            |
| Legs, short, strong; feet medium size; hoof erect, capable of bearing good weight.  | 5              |                   |            |
| Objections, legs long, slim, coarse, crooked; hoof long, slim, weak, unable to bear weight of animal without breaking down.   |                |                   |            |
| <b>Body:</b>  |                |                   |            |
| Chest, broad, deep; girth large.  | 10             |                   |            |
| Objections, flat, pinched; breastbone crooked.  |                |                   |            |
| Sides, deep, lengthy, closely ribbed.   | 7              |                   |            |
| Objections, flat, thin, not full at bottom as on top, drawn in at shoulders, tucked up as it approaches hams; lumpy or uneven surface.  |                |                   |            |
| Back, broad, straight, thickly and evenly fleshed.  | 8              |                   |            |
| Objections, narrow, creased back of shoulders, hollow or humped, too long or tapering at the hams.  |                |                   |            |
| Loin, wide, thick.  | 5              |                   |            |
| Objections, high, narrow, depressed, humped up.   |                |                   |            |
| Belly, straight, wide, full.  | 3              |                   |            |
| Objections, narrow, sagging, flabby.  |                |                   |            |
| Flank, even with under line, full.  | 3              |                   |            |
| Objections, thin, tucked up, drawn in.  |                |                   |            |
| <b>Hind quarters:</b>   |                |                   |            |
| Hips, wide apart, smooth.   | 2              |                   |            |
| Objections, narrow, peaked.   |                |                   |            |
| Rump, long, wide, evenly fleshed, straight.   | 2              |                   |            |
| Objections, flat, narrow, peaked at root of tail, too steep.  |                |                   |            |
| Hams, heavily fleshed, deep, wide.  | 8              |                   |            |
| Objections, narrow, short, thin; not projecting beyond and coming down to hock; cut up too high in the twist; straight from root of tail to hock; buttocks light, thin, flabby. |                |                   |            |
| Legs, straight, short, strong; feet medium size.  | 5              |                   |            |
| Objections, legs long, thin, coarse, crooked; hoofs long, slim, weak, unable to bear weight of animal without breaking down.  |                |                   |            |
| <b>Total</b> .....  | 100            |                   |            |

## State Agricultural and Mechanical College of the University of Tennessee.

|   | Scale of points. | Perfect score. | Student's score. |
|---|------------------|----------------|------------------|
| A. General appearance:  |                  |                |                  |
| 1. Estimated weight, — pounds; actual, — pounds.                            |                  |                |                  |
| 2. Weight, according to age, 6-8 months, 200-250 pounds.                    | 6                |                |                  |
| 3. Form, deep, broad, low, symmetrical, compact, standing squarely on legs. | 6                |                |                  |
| 4. Quality, bone clean; hair silky; skin fine.                              | 6                |                |                  |
| 5. Disposition, quiet   | 4                |                |                  |
| 6. Constitution, vigorous, robust, showing size and substance.              | 5                |                |                  |
| B. Head and neck:   |                  |                |                  |
| 7. Snout, of medium length and fineness.                                    | 1                |                |                  |
| 8. Eyes, full, mild, bright, large.   | 1                |                |                  |
| 9. Face, short; cheeks full.  | 1                |                |                  |
| 10. Forehead, broad, high, full.  | 1                |                |                  |
| 11. Ears, of medium size, fine, soft.                                       | 1                |                |                  |
| 12. Jowl, strong, neat, broad.  | 1                |                |                  |
| 13. Neck, of medium length, thick   | 1                |                |                  |
| C. Fore quarters:   |                  |                |                  |
| 14. Shoulder vein, full.  | 1                |                |                  |
| 15. Shoulder, broad, deep, full; top compact.                               | 7                |                |                  |
| 16. Breast, full, wide  | 2                |                |                  |
| 17. Legs, straight, short, strong; feet of medium size.                     | 3                |                |                  |
| D. Body:  |                  |                |                  |
| 18. Chest, deep, broad; girth large   | 10               |                |                  |
| 19. Sides, deep, lengthy, closely ribbed.                                   | 8                |                |                  |
| 20. Back, broad, straight, thickly and evenly fleshed.                      | 4                |                |                  |
| 21. Loin, wide, thick   | 3                |                |                  |
| 22. Belly, straight   | 2                |                |                  |
| 23. Flank, even with underline  | 1                |                |                  |
| 24. Navel, large, defined.  | 1                |                |                  |
| E. Hind quarters:   |                  |                |                  |
| 25. Hips, wide apart, smooth  | 3                |                |                  |
| 26. Rump, long, wide, straight, evenly fleshed                              | 3                |                |                  |
| 27. Hams, deep, wide, heavily fleshed.                                      | 8                |                |                  |
| 28. Thighs, fleshed close to hocks.   | 4                |                |                  |
| 29. Twist, deep, plump  | 1                |                |                  |
| 30. Tail, tapering  | 1                |                |                  |
| 31. Legs, straight, short, strong; feet of medium size                      | 4                |                |                  |
| Total.  | 100              |                |                  |

## State Agricultural and Mechanical College of the University of Tennessee.

|   | Scale of points. | Perfect score. | Student's score. |
|---|------------------|----------------|------------------|
| A. Primary considerations:  |                  |                |                  |
| 1. Weight, — pounds   |                  |                |                  |
| 2. Size and substance, for age  |                  | 3              |                  |
| 3. Action, vigorous, easy   |                  | 4              |                  |
| 4. Appearance, cylindrical, smooth, compact   |                  | 4              |                  |
| 5. Quality, skin, smooth, pliable; flesh firm; hair soft, fine, silky                   |                  | 5              |                  |
| B. Nervous energy:  |                  |                |                  |
| 6. Temperament, active, controlled  |                  | 7              |                  |
| 7. Eyes, large, clear, bright, mild, placid, free from white                            |                  | 6              |                  |
| 8. Forehead, broad, high; face short  |                  | 4              |                  |
| 9. Ears, broad, medium, thin, active  |                  | 2              |                  |
| 10. Spinal column, long, well covered   |                  | 7              |                  |
| C. Structural anatomy:  |                  |                |                  |
| 11. Contour, clean-cut, smooth, correlated, symmetrical, free from patchiness and offal |                  | 1              |                  |
| 12. Head, size medium; snout medium; face short   |                  | 1              |                  |
| 13. Neck, thick, short  |                  | 1              |                  |
| 14. Withers, broad on top, well fleshed; shoulder well covered, slanting                |                  | 1              |                  |
| 15. Shoulder, heavy, broad, deep, full  |                  | 1              |                  |
| 16. Back, broad, strong, well muscled   |                  | 2              |                  |
| 17. Loin, broad, strong   |                  | 3              |                  |
| 18. Pelvic arch, suppressed, well covered   |                  | 2              |                  |
| 19. Flank, lean; twist full; thigh full, curved   |                  | 1              |                  |
| 20. Bones, medium; feet strong  |                  | 2              |                  |
| D. Digestion and assimilation:  |                  |                |                  |
| 21. Nostrils, medium-sized, clear, bright   |                  | 1              |                  |
| 22. Breast, full, low   |                  | 2              |                  |
| 23. Chest, wide, deep, long; girth large  |                  | 7              |                  |
| 24. Middle piece, long, broad on top, deep  |                  | 9              |                  |
| 25. Ribs, flat, well arched, deeply covered   |                  | 3              |                  |
| 26. False ribs, well developed  |                  | 3              |                  |
| E. Essential qualities:   |                  |                |                  |
| 27. Top line, straight or slightly arched; bottomline straight, close to ground         |                  | 1              |                  |
| 28. Size and weight, indicating tendency to mature early                                |                  | 4              |                  |
| 29. Middle piece, well developed, giving strong back and deep long side                 |                  | 7              |                  |
| 30. Long from hook points to pin bones, and to hock; hams uniform, massive, meaty       |                  | 4              |                  |
| 31. Constitution, vigorous; bones sufficient for weight                                 |                  | 2              |                  |
| Total   |                  | 100            |                  |

## Agricultural and Mechanical College of Texas.

|   | Scale of points. | Possible score. | Student's score. | Corrected. |
|---|------------------|-----------------|------------------|------------|
| A. General appearance:  |                  |                 |                  |            |
| Estimated weight, — pounds  |                  |                 |                  |            |
| Weight, according to age  |                  | 6               |                  |            |
| Form, deep, broad, low, symmetrical, compact, standing squarely on legs |                  | 8               |                  |            |
| Quality, bone, clean; hair silky; skin fine                             |                  | 8               |                  |            |
| Disposition, quiet  |                  | 5               |                  |            |
| B. Head and neck:   |                  |                 |                  |            |
| Snout, of medium length and fineness                                    |                  | 1               |                  |            |
| Eyes, full, mild, bright, large   |                  | 1               |                  |            |
| Face, short; cheeks full  |                  | 1               |                  |            |
| Ears, fine, soft; size medium   |                  | 1               |                  |            |
| Jowl, strong, meat, broad   |                  | 1               |                  |            |
| Neck, thick; length medium  |                  | 1               |                  |            |
| C. Fore quarters:   |                  |                 |                  |            |
| Shoulder vein, full   |                  | 1               |                  |            |
| Shoulder, broad, deep, full; top compact                                |                  | 8               |                  |            |
| Breast, full, wide  |                  | 2               |                  |            |
| Legs, straight, short, strong; feet of medium size                      |                  | 4               |                  |            |
| D. Body:  |                  |                 |                  |            |
| Chest, deep, broad; girth large   |                  | 10              |                  |            |
| Sides, deep, lengthy, closely ribbed                                    |                  | 8               |                  |            |
| Back, broad, straight, thickly and evenly fleshed                       |                  | 4               |                  |            |
| Loin, wide, thick   |                  | 3               |                  |            |
| Belly, straight   |                  | 2               |                  |            |
| Flank, even with under line   |                  | 2               |                  |            |
| E. Hind quarters:   |                  |                 |                  |            |
| Hips, wide apart, smooth  |                  | 3               |                  |            |
| Rump, long, wide, straight, evenly fleshed                              |                  | 3               |                  |            |
| Hams, deep, wide, heavily fleshed                                       |                  | 8               |                  |            |
| Thighs, fleshed close to hocks  |                  | 4               |                  |            |
| Tail, tapering  |                  | 1               |                  |            |
| Legs, straight, short, strong; feet of medium size                      |                  | 4               |                  |            |
| Total   |                  | 100             |                  |            |

## Agricultural College of Utah.

| Scale of points.   | Score.         |                  |            |
|--|----------------|------------------|------------|
|  | Stand-<br>ard. | Student's.<br>s. | Corrected. |
| <b>General appearance:</b>   |                |                  |            |
| Age, estimated, —; actual, —   |                |                  |            |
| Weight, estimated, — pounds; actual, — pounds; score according to age.         | 6              |                  |            |
| Form, deep, broad, low, long, symmetrical, compact, standing squarely on legs. | 8              |                  |            |
| Quality, bone clean; hair silky; skin fine.                                    | 8              |                  |            |
| Disposition, quiet.  | 5              |                  |            |
| <b>Head and neck:</b>  |                |                  |            |
| Snout, length medium; not coarse.  | 1              |                  |            |
| Eyes, full, mild, bright, large.   | 1              |                  |            |
| Face, short; cheeks full.  | 1              |                  |            |
| Ears, soft, fine; size medium.   | 1              |                  |            |
| Jowl, strong, neat, broad.   | 1              |                  |            |
| Neck, thick; length medium   | 1              |                  |            |
| <b>Fore quarters:</b>  |                |                  |            |
| Shoulder vein, full.   | 2              |                  |            |
| Shoulder, broad, deep, full, compact on top.                                   | 8              |                  |            |
| Breast, advanced, wide.  | 2              |                  |            |
| Legs, straight, short, strong; feet medium size                                | 5              |                  |            |
| <b>Body:</b>   |                |                  |            |
| Chest, deep, broad; girth large.   | 8              |                  |            |
| Sides, deep, lengthy, closely ribbed.  | 8              |                  |            |
| Back, broad, straight, thickly and evenly fleshed.                             | 4              |                  |            |
| Loin, wide, thick.   | 3              |                  |            |
| Belly, straight.   | 2              |                  |            |
| Flank, even with under line  | 2              |                  |            |
| <b>Hind quarters:</b>  |                |                  |            |
| Hips, wide apart, smooth.  | 3              |                  |            |
| Rump, long, wide, evenly fleshed, straight.                                    | 3              |                  |            |
| Hams, heavily fleshed, deep, wide.   | 8              |                  |            |
| Thighs, fleshed close to hocks.  | 4              |                  |            |
| Legs, straight, short, strong; feet medium size.                               | 5              |                  |            |
| <b>Total</b>   | 100            |                  |            |

## College of Agriculture of the University of Wisconsin.

| Scale of points.   | Points deficient.  |                     |            |
|--|--------------------|---------------------|------------|
|  | Possible<br>score. | Student's<br>score. | Corrected. |
| <b>General appearance—25 points:</b>   |                    |                     |            |
| Weight, estimated, — pounds; actual, — pounds; according to age.               | 6                  |                     |            |
| Form, deep, broad, low, long, symmetrical, compact, standing squarely on legs. | 8                  |                     |            |
| Quality, bone clean; hair silky; skin fine.                                    | 6                  |                     |            |
| Disposition, quiet.  | 5                  |                     |            |
| <b>Head and neck—10 points:</b>  |                    |                     |            |
| Snout, not coarse; length medium.  | 1                  |                     |            |
| Eyes, large, mild, full, bright, wide apart.                                   | 1                  |                     |            |
| Forehead, broad.   | 1                  |                     |            |
| Face, short; cheeks full.  | 1                  |                     |            |
| Ears, fine, soft; size medium.   | 1                  |                     |            |
| Jowl, strong, neat, broad.   | 2                  |                     |            |
| Neck, thick; length medium   | 3                  |                     |            |
| <b>Fore quarters—13 points:</b>  |                    |                     |            |
| Shoulder, broad, deep, full, compact on top.                                   | 6                  |                     |            |
| Breast, wide, prominent.   | 2                  |                     |            |
| Legs, straight, short, strong; feet medium size.                               | 5                  |                     |            |
| <b>Body—32 points:</b>   |                    |                     |            |
| Chest, deep, broad; girth large.   | 7                  |                     |            |
| Sides, deep, lengthy, closely ribbed.  | 8                  |                     |            |
| Back, broad, straight, thickly and evenly fleshed.                             | 7                  |                     |            |
| Loin, thick, wide.   | 5                  |                     |            |
| Belly, straight.   | 3                  |                     |            |
| Flank, even with under line  | 2                  |                     |            |
| <b>Hind quarters—20 points:</b>  |                    |                     |            |
| Hips, wide apart, smooth.  | 3                  |                     |            |
| Rump, long, wide, evenly fleshed, straight.                                    | 4                  |                     |            |
| Hams, heavily fleshed, deep, wide.   | 8                  |                     |            |
| Legs, straight, short, strong; feet medium size.                               | 5                  |                     |            |
| <b>Total</b>   | 100                |                     |            |

## LARD HOGS.

## College of Agriculture of the University of Illinois.

| Scale of points.  | Perfect score. | Student's score. | Corrected. |
|---|----------------|------------------|------------|
| General appearance—30 points:   |                |                  |            |
| 1. Weight, score according to age.....  | 6              |                  |            |
| 2. Form, deep, broad, low, long, symmetrical, compact; standing squarely on legs.....                     | 8              |                  |            |
| 3. Quality, hair silky; skin fine; bone fine; mellow covering of flesh, free from lumps and wrinkles..... | 8              |                  |            |
| 4. Condition, deep, even covering of flesh, especially in region of valuable cuts.....                    | 8              |                  |            |
| Head and neck—8 points:   |                |                  |            |
| 5. Snout, length medium; not coarse.....  | 1              |                  |            |
| 6. Eyes, full, mild, bright.....  | 1              |                  |            |
| 7. Face, short; cheeks full.....  | 1              |                  |            |
| 8. Ears, fine; size medium; attached neatly.....  | 1              |                  |            |
| 9. Jowl, strong, neat, broad, firm.....   | 2              |                  |            |
| 10. Neck, thick, smooth to shoulder; length medium.....   | 2              |                  |            |
| Fore quarters—12 points:  |                |                  |            |
| 11. Shoulder, broad, deep, full; compact on top.....  | 8              |                  |            |
| 12. Breast, advanced, wide.....   | 2              |                  |            |
| 13. Legs, straight, short, strong; bones clean; pasterns upright; feet medium size.....                   | 2              |                  |            |
| Body—32 points:   |                |                  |            |
| 14. Chest, deep, broad; girth large.....  | 2              |                  |            |
| 15. Sides, deep, lengthy, full; ribs close, well sprung.....  | 8              |                  |            |
| 16. Back, broad, straight, thickly and evenly fleshed.....  | 10             |                  |            |
| 17. Loin, wide, thick, straight.....  | 10             |                  |            |
| 18. Belly, straight, even.....  | 2              |                  |            |
| Hind quarters—18 points:  |                |                  |            |
| 19. Hips, wide apart, smooth.....   | 3              |                  |            |
| 20. Rump, long, wide, evenly fleshed, straight.....   | 3              |                  |            |
| 21. Ham, heavily fleshed, plump, full, deep, wide.....  | 10             |                  |            |
| 22. Legs, straight, short, strong; bone clean; pasterns upright; feet medium size.....                    | 2              |                  |            |
| Total .....   | 100            |                  |            |

## School of Agriculture of Purdue University.

| Scale of points.  | Stand-<br>ard. | Student's<br>score. | Corrected. |
|---|----------------|---------------------|------------|
| General appearance—30 points:   |                |                     |            |
| 1. Weight, score according to age.....  | 4              |                     |            |
| 2. Form, deep, broad, low, long, symmetrical, compact; standing squarely on legs.....                     | 8              |                     |            |
| 3. Quality, hair silky; skin fine; bone fine; covering of flesh mellow, free from lumps and wrinkles..... | 8              |                     |            |
| 4. Condition, deep, even covering of flesh, especially in region of valuable cuts.....                    | 8              |                     |            |
| Temperament, mild, quiet.   |                |                     |            |
| Head and neck—8 points:   |                |                     |            |
| 6. Snout, length medium; not coarse.....  | 1              |                     |            |
| 7. Eyes, full, mild, bright.....  | 1              |                     |            |
| 8. Face, short; cheeks full.....  | 1              |                     |            |
| 9. Ears, fine; size medium; attached neatly.....  | 1              |                     |            |
| 10. Jowl, strong, neat, broad, firm.....  | 2              |                     |            |
| 11. Neck, thick, smooth to shoulder; length medium.....   | 2              |                     |            |
| Fore quarters—12 points:  |                |                     |            |
| 12. Shoulder, broad, deep, full, compact on top.....  | 8              |                     |            |
| 13. Breast, advanced, wide.....   | 2              |                     |            |
| 14. Legs, straight, short, strong; bones clean; pasterns upright; feet medium size.....                   | 2              |                     |            |
| Body—32 points:   |                |                     |            |
| 15. Chest, deep, broad; girth large.....  | 4              |                     |            |
| 16. Sides, deep, lengthy, full; ribs close, well sprung.....  | 8              |                     |            |
| 17. Back, broad, straight, thickly and evenly fleshed.....  | 9              |                     |            |
| 18. Loin, wide, thick, straight.....  | 9              |                     |            |
| 19. Belly, straight, even.....  | 2              |                     |            |
| Hind quarters—18 points:  |                |                     |            |
| 20. Hips, wide apart, smooth.....   | 3              |                     |            |
| 21. Rump, long, level, wide, evenly fleshed, straight.....  | 3              |                     |            |
| 22. Ham, heavily fleshed, plump, full, deep, wide.....  | 10             |                     |            |
| 23. Legs, straight, short, strong; bone clean; pasterns upright; feet medium size .....                   | 2              |                     |            |
| Total .....   | 100            |                     |            |

## Iowa State College of Agriculture and the Mechanic Arts.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| General appearance:  |                  |                |
| 1. Weight, score according to age .....  | 6                |                |
| 2. Form, deep, broad, low, long, symmetrical, compact; standing squarely on legs .....                     | 10               |                |
| 3. Quality, hair silky; skin fine; bone fine; covering of flesh mellow, free from lumps and wrinkles ..... | 10               |                |
| 4. Condition, deep, even covering of flesh, especially in regions of valuable cuts .....                   | 10               |                |
| Head and neck:   |                  |                |
| 5. Snout, medium length; not coarse .....  | 1                |                |
| 6. Eyes, full, mild, bright .....  | 1                |                |
| 7. Face, short; cheeks full .....  | 1                |                |
| 8. Ears, fine; medium size; soft .....   | 1                |                |
| 9. Jowl, strong, neat, broad .....   | 1                |                |
| 10. Neck, thick; length medium .....   | 1                |                |
| Fore quarters:   |                  |                |
| 11. Shoulder, broad, deep, full, compact on top .....  | 6                |                |
| 12. Breast, advanced, wide .....   | 2                |                |
| 13. Legs, straight, short, strong; bone clean; pasterns upright; feet medium size .....                    | 2                |                |
| Body:  |                  |                |
| 14. Chest, deep, broad; girth large .....  | 2                |                |
| 15. Sides, deep, lengthy, full; ribs close, well sprung .....  | 6                |                |
| 16. Back, broad, straight, thickly and evenly fleshed .....  | 10               |                |
| 17. Loin, wide, thick, straight .....  | 10               |                |
| 18. Belly, straight, even .....  | 2                |                |
| Hind quarters:   |                  |                |
| 19. Hips, wide apart, smooth .....   | 2                |                |
| 20. Rump, long, wide, evenly fleshed, straight .....   | 2                |                |
| 21. Ham, heavily fleshed, plump, full, deep, wide .....  | 10               |                |
| 22. Thighs, fleshed close to hocks .....   | 2                |                |
| 23. Legs, straight, short, strong; bone clean; pasterns upright; feet medium size .....                    | 2                |                |
| Total .....  |                  | 100            |

## Agricultural and Mechanical College of Kentucky.

Same as Iowa card (see above), with the following exception: Under quality, read "flesh smooth, mellow, free from lumps and wrinkles," etc.

## College of Agriculture of the University of Minnesota.

Same as the Iowa card (see above) for lard hogs, with two exceptions: Under quality, read "skin mellow," etc.; under sides, read "medium length," etc.

## The College of Agriculture and Domestic Science, Ohio State University.

| Scale of points.   | Score.         |                  |            |
|--|----------------|------------------|------------|
|  | Perfect score. | Student's score. | Corrected. |
| A. General appearance—28 points:   |                |                  |            |
| Weight, estimated, ——; actual, —— pounds; according to age.              | 4              |                  |            |
| Form, deep, broad, low, symmetrical, compact; standing squarely on legs. | 7              |                  |            |
| Quality, bone clean; hair silky; skin fine.                              | 10             |                  |            |
| Disposition, quiet.  | 3              |                  |            |
| Action and style, vigorous, easy.  | 4              |                  |            |
| B. Head and neck—8 points:   |                |                  |            |
| Snout, medium, too short, not coarse; length, —— inches.                 | 1              |                  |            |
| Eyes, full, mild, bright, large.   | 1              |                  |            |
| Face, short; cheeks full, without wrinkles.                              | 1              |                  |            |
| Ears, fine; size medium; soft, neatly attached.                          | 1              |                  |            |
| Jowl, strong, neat, broad, full to shoulders.                            | 2              |                  |            |
| Neck, thick, short, broad on top.  | 2              |                  |            |
| C. Fore quarters—14 points:  |                |                  |            |
| Shoulder vein, full.   | 1              |                  |            |
| Shoulder, broad, deep, full, compact on top.                             | 5              |                  |            |
| Breast, advanced, wide, roomy.   | 3              |                  |            |
| Legs, straight, short, strong, wide apart, well set.                     | 2              |                  |            |
| Pasterns, strong, straight, upright.                                     | 3              |                  |            |
| D. Body—29 points:   |                |                  |            |
| Chest, deep, broad; girth large, —— inches.                              | 8              |                  |            |
| Sides, full and smooth from hams to shoulder, close ribbed.              | 8              |                  |            |
| Back, broad, straight, thickly and evenly fleshed.                       | 6              |                  |            |
| Loin, wide, thick.   | 3              |                  |            |
| Belly, straight, wide.   | 2              |                  |            |
| Flank, even with under line; girth of body, —— inches.                   | 2              |                  |            |
| E. Hind quarters—21 points:  |                |                  |            |
| Hips, smooth.  | 2              |                  |            |
| Rump, long, wide, level, well filled out.                                | 3              |                  |            |
| Hams, heavily fleshed, deep, wide, thick.                                | 10             |                  |            |
| Legs, straight, short, strong, wide apart, well set.                     | 2              |                  |            |
| Pasterns, strong, straight, upright.                                     | 3              |                  |            |
| Tail, tapering.  | 1              |                  |            |
| Total.   | 100            |                  |            |

## South Dakota Agricultural College.

Same as the Iowa card (see p. 93) for lard hogs.

## BACON HOGS.

## College of Agriculture of the University of Illinois.

Same as the Iowa card (see p. 95) for bacon hogs.

## School of Agriculture of Purdue University.

Same as the Iowa card (see p. 95) for bacon hogs.

## Iowa State College of Agriculture and the Mechanic Arts.

|   | Scale of points. | Perfect score. |
|---|------------------|----------------|
| General appearance:   |                  |                |
| 1. Weight, 170 to 200 pounds, the result of thick cover of firm flesh.....  | 6                |                |
| 2. Form, long, level, smooth, deep.....   | 10               |                |
| 3. Quality, hair fine; skin thin; bone fine; firm, covering of flesh without any soft bunches of fat or wrinkles.....   | 10               |                |
| 4. Condition, deep, uniform covering of flesh, especially in region of valuable cuts.....   | 10               |                |
| Head and neck:  |                  |                |
| 5. Snout, fine.....   | 1                |                |
| 6. Eyes, full, mild, bright.....  | 1                |                |
| 7. Face, slim.....  | 1                |                |
| 8. Ears, trim; size medium.....   | 1                |                |
| 9. Jowl, light, trim.....   | 1                |                |
| 10. Neck, light; length medium.....   | 1                |                |
| Fore quarters:  |                  |                |
| 11. Shoulders, free from roughness, smooth, compact, same width as back and hind quarters.....  | 6                |                |
| 12. Breast, moderately wide, full.....  | 2                |                |
| 13. Legs, straight, short, strong; bone clean; pasterns upright; feet medium size.....  | 2                |                |
| Body:   |                  |                |
| 14. Chest, deep; girth full.....  | 4                |                |
| 15. Back, smooth; width medium, uniform.....  | 8                |                |
| 16. Sides, long, smooth, level from beginning of shoulders to end of hind quarters; the side at all points should touch a straightedge running from fore to hind quarter..... | 10               |                |
| 17. Ribs, deep, uniformly sprung.....   | 2                |                |
| 18. Belly, trim, firm, thick without any flabbiness or shrinkage at flank.....  | 10               |                |
| Hind quarters:  |                  |                |
| 19. Hips, smooth, wide, proportionate to rest of body.....  | 2                |                |
| 20. Rump, long, even, straight, rounded toward tail.....  | 2                |                |
| 21. Gammon, firm, rounded, tapering, fleshed deep and low toward hocks.....   | 8                |                |
| 22. Legs, straight, short, strong; feet medium size; bone clean; pasterns upright.....  | 2                |                |
| Total .....   | 100              |                |

## Michigan State Agricultural College.

| Scale of points.   | Perfect. | Student's estimate. | Corrected. |
|--|----------|---------------------|------------|
| <b>Head and neck:</b>  |          |                     |            |
| Snout, moderately fine.....  | 1        |                     |            |
| Eyes, size good; full, bright.....   | 1        |                     |            |
| Jowl, light, neat.....   | 3        |                     |            |
| Neck, rather light, with no tendency to arch on top; length medium.....  | 3        |                     |            |
| <b>Fore quarters:</b>  |          |                     |            |
| Shoulders, light, smooth, rounded from side to side over top, very compact, no wider than back.....  | 9        |                     |            |
| Breast, full; width good.....  | 4        |                     |            |
| Fore legs, set well apart, straight; length medium; pasterns upright: bone flat, clean, moderately fine.....   | 4        |                     |            |
| <b>Body:</b>   |          |                     |            |
| Back, rising slightly above the straight line, and forming a very slight arch from neck to tail; width medium.....   | 9        |                     |            |
| Loin, strong, full, but not unduly arched, wide as rest of back.....   | 5        |                     |            |
| Ribs moderately arched; length good.....   | 3        |                     |            |
| Side, fairly deep, long, smooth, straight between shoulder and ham; a straightedge laid over shoulder point and ham should touch the side throughout.....  | 12       |                     |            |
| Heart girth, full, but not flabby at foreflanks, filled out even with side of shoulder; there should be no tucked up appearance back of forelegs, nor droop back of shoulder top.....  | 5        |                     |            |
| Flank, full, low.....  | 1        |                     |            |
| Underline, straight; the belly should be markedly trim and neat.....   | 5        |                     |            |
| <b>Hind quarters:</b>  |          |                     |            |
| Rump, same width as back, long, slightly rounded from a point above hips to tail, and rounded from side to side over top.....  | 5        |                     |            |
| Ham, full without flabbiness; thigh tapering toward hock without wrinkles or folds, carrying flesh well down toward hock.....  | 6        |                     |            |
| Hind legs, length medium; hocks set well apart but not bowed outward; bone flat, clean, moderately fine; pasterns strong.....  | 4        |                     |            |
| <b>Quality:</b> <sup>a</sup>   |          |                     |            |
| Ear, rather thin (1); hair fine, abundant (2); skin smooth, showing no tendency to wrinkle (2); bone flat, clean in legs, moderately fine in snout and head, showing no prominence on side and top of shoulder (5); flesh firm, smooth, with no flabbiness at jowl, foreflank, belly or ham (5)..... | 15       |                     |            |
| <b>Style:</b>  |          |                     |            |
| Active, sprightly in movement, walking without a swaying motion, standing well up on toes.....   | 5        |                     |            |
| <b>N. B.—</b> For hogs intended for killing, the same scale of points may be used with the following modifications: Strike out score for eyes, ears, hair, and style, deduct two points from points allowed forelegs and also hindlegs, and add following score:                                     |          |                     |            |
| Weight, 175 to 200 pounds, live weight; being under 160 pounds or over 220 pounds will disqualify.....   | 13       |                     |            |
| <b>Total</b> .....   |          |                     |            |

<sup>a</sup> Numbers in parentheses indicate perfect score of points enumerated.—G. M. R.

## SHEEP.

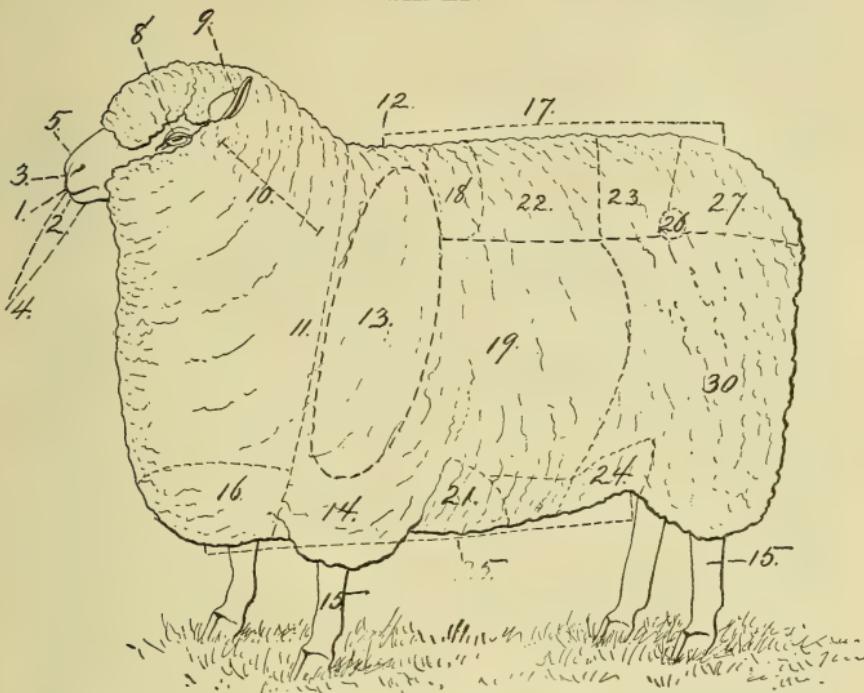


FIG. 8.—Points of the sheep, side view.

|             |                                       |                         |                                   |
|-------------|---------------------------------------|-------------------------|-----------------------------------|
| 1. Muzzle.  | 10. Neck.                             | 16. Brisket, or breast. | 24. Hind flank.                   |
| 2. Mouth.   | 11. Neck vein, or shoul-<br>der vein. | 17. Top line.           | 25. Underline.                    |
| 3. Nostril. | 12. Top of shoulder.                  | 18. Crops.              | 26. Hip.                          |
| 4. Lips.    | 13. Shoulder.                         | 19. Ribs.               | 27. Rump.                         |
| 5. Nose.    | 14. Arm.                              | 21. Fore flank.         | 30. Thigh, or leg of mut-<br>ton. |
| 6. Eye.     | 15. Shanks.                           | 22. Back.               |                                   |
| 7. Ear.     |                                       | 23. Loin.               |                                   |

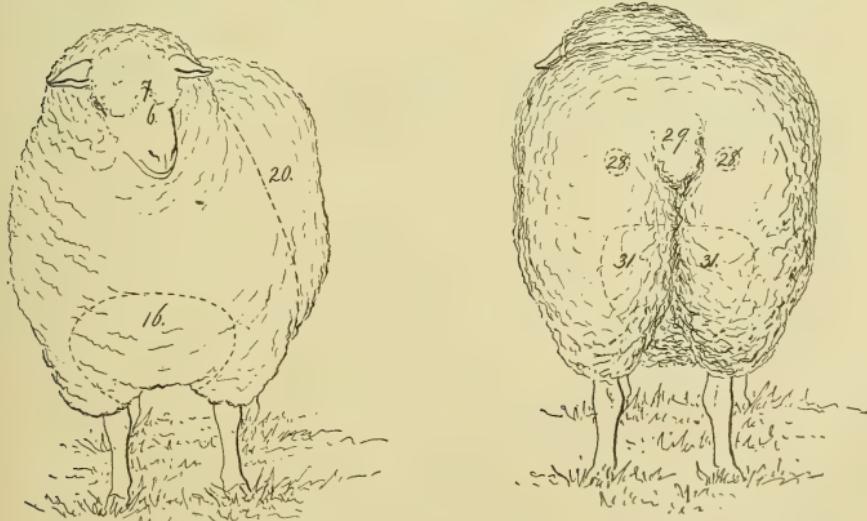


FIG. 9.—Points of the sheep, front and rear views.

|              |                            |                    |            |
|--------------|----------------------------|--------------------|------------|
| 6. Face.     | 16. Brisket, or breast.    | 28. Pin bones.     | 31. Twist. |
| 7. Forehead. | 20. Girth, or heart girth. | 29. Dock, or tail. |            |

## New Hampshire College of Agriculture and the Mechanic Arts.

## Scale of points.

|   |     | Mutton sheep. |           | Wool sheep. |           |
|---|-----|---------------|-----------|-------------|-----------|
|   |     | Standard.     | Students. | Corrected.  | Standard. |
| A. General appearance:  |     |               |           |             |           |
| Weight, estimated, —— pounds; actual, —— pounds; standard for ma-         |     |               |           |             |           |
| ture ram, ——; ewe, ——.  | 6   |               |           | 4           |           |
| Form, for M., low, compact, symmetrical; for W., rather the reverse.      | 6   |               |           | 5           |           |
| Quality, should not be coarse in bone, fleece, or features; firm in hand- |     |               |           |             |           |
| ling, yet with soft, pliable skin of bright pink color.                   | 7   |               |           | 6           |           |
| Constitution, shown by fleece, skin, girth, and movement.                 | 10  |               |           | 10          |           |
| B. Head and neck:   |     |               |           |             |           |
| Muzzle, mouth and nostrils of good size; lips thin.                       | 1   |               |           | 1           |           |
| Eyes, bright, prominent; whites clear.                                    | 2   |               |           | 2           |           |
| Face, short, except in Oxfords, Hampshires, and Cotswolds.                | 1   |               |           | 1           |           |
| Forehead, broad, full.  | 2   |               |           | 2           |           |
| Ears, well apart, covered with fine soft hair; in size and form typical   |     |               |           |             |           |
| of breed.   | 1   |               |           | 1           |           |
| Neck, for M., short, thick, neatly tapering to head; for W., longer,      |     |               |           |             |           |
| drooping at yoke.   | 2   |               |           | 1           |           |
| C. Fore quarters:   |     |               |           |             |           |
| Shoulders, for M., smoothly joined with neck and body, broad on top,      |     |               |           |             |           |
| compact; for W., less closely joined.                                     | 6   |               |           | 4           |           |
| Breast, broad, carried well forward, closely joined to legs.              | 4   |               |           | 3           |           |
| Legs, short, straight, strong, well apart; arm full.                      | 2   |               |           | 2           |           |
| D. Body:  |     |               |           |             |           |
| Back and loin, straight, broad.   | 8   |               |           | 5           |           |
| Ribs, springing from spine in such a plane as to make back broad and      |     |               |           |             |           |
| flat; for wool, slope downward from spine.                                | 4   |               |           | 2           |           |
| Chest, showing no depression above, at sides, or below, making large      |     |               |           |             |           |
| girth.  | 6   |               |           | 4           |           |
| Flank, low, full.   | 3   |               |           | 2           |           |
| E. Hind quarters:   |     |               |           |             |           |
| Hips, broad, flat above.  | 4   |               |           | 2           |           |
| Rump, long, level, wide.  | 4   |               |           | 2           |           |
| Thighs, full, less so for W.  | 5   |               |           | 2           |           |
| Twist, deep, plump.   | 4   |               |           | 2           |           |
| Legs, straight, short, strong, but not coarse.                            | 2   |               |           | 2           |           |
| F. Wool:  |     |               |           |             |           |
| Quality, fine for breed, soft, even.                                      | 3   |               |           | 12          |           |
| Density, great, even.   | 3   |               |           | 10          |           |
| Length, great, even.  | 3   |               |           | 10          |           |
| Yolk, slight amount.  | 1   |               |           | 3           |           |
| Total.  | 100 |               |           | 100         |           |

## North Carolina College of Agriculture and Mechanic Arts.

Same as the card (see above) of the New Hampshire College for sheep

## School of Agriculture of Purdue University.

| Scale of points.  | Mutton sheep.  |                 |                 | Fine-wool sheep. |                 |                 |
|---|----------------|-----------------|-----------------|------------------|-----------------|-----------------|
|   | Stand-<br>ard. | Score.          |                 | Stand-<br>ard.   | Score.          |                 |
|   |                | Stu-<br>dent's. | Cor-<br>rected. |                  | Stu-<br>dent's. | Cor-<br>rected. |
| A. Age, —; teeth —  |                |                 |                 |                  |                 |                 |
| B. General appearance:  |                |                 |                 |                  |                 |                 |
| Weight, estimated, — pounds; actual, — pounds, according to age | 6              |                 |                 | 4                |                 |                 |
| Form, low, compact, symmetrical                                 | 6              |                 |                 | 5                |                 |                 |
| Quality, bone and wool fine                                     | 7              |                 |                 | 9                |                 |                 |
| Constitution, as seen in girth, skin, and fleece                | 10             |                 |                 | 10               |                 |                 |
| C. Head and neck:   |                |                 |                 |                  |                 |                 |
| Muzzle, fine; mouth and nostrils of good size; lips thin        | 1              |                 |                 | 1                |                 |                 |
| Eyes, bright, full; whites clear                                | 1              |                 |                 | 1                |                 |                 |
| Face, short   | 1              |                 |                 | 1                |                 |                 |
| Forehead, broad   | 1              |                 |                 | 1                |                 |                 |
| Ears fine, erect  | 1              |                 |                 | 1                |                 |                 |
| Neck, thick, short  | 1              |                 |                 | 1                |                 |                 |
| D. Fore quarters:   |                |                 |                 |                  |                 |                 |
| Shoulders, smooth, well covered                                 | 6              |                 |                 | 4                |                 |                 |
| Chest, wide, deep   | 6              |                 |                 | 5                |                 |                 |
| Brisket, thick, carried well forward                            | 4              |                 |                 | 3                |                 |                 |
| Legs, straight, short, strong, well set; arm full; shank smooth | 3              |                 |                 | 3                |                 |                 |
| E. Body:  |                |                 |                 |                  |                 |                 |
| Back and loin, straight, wide                                   | 8              |                 |                 | 6                |                 |                 |
| Ribs, well sprung, deep   | 4              |                 |                 | 3                |                 |                 |
| Flanks, low, making straight underline                          | 3              |                 |                 | 2                |                 |                 |
| F. Hind quarters:   |                |                 |                 |                  |                 |                 |
| Hips, well apart, smooth  | 4              |                 |                 | 2                |                 |                 |
| Rump, long, level, wide   | 5              |                 |                 | 3                |                 |                 |
| Thighs, full  | 5              |                 |                 | 3                |                 |                 |
| Twist, plump, deep  | 4              |                 |                 | 3                |                 |                 |
| Legs, straight, short, strong; shank smooth                     | 3              |                 |                 | 3                |                 |                 |
| G. Wool:  |                |                 |                 |                  |                 |                 |
| Quality, fine, soft, clean, even                                | 3              |                 |                 | 11               |                 |                 |
| Density, great  | 3              |                 |                 | 6                |                 |                 |
| Length, good  | 3              |                 |                 | 5                |                 |                 |
| Yolk  | 1              |                 |                 | 4                |                 |                 |
| Total   | 100            |                 |                 | 100              |                 |                 |

## State Agricultural and Mechanical College of the University of Tennessee.

|  | Scale of points. | Perfect score. | Student's score. |
|--|------------------|----------------|------------------|
| A. General appearance:   |                  |                |                  |
| 1. Weight, estimated, — pounds; actual, — pounds                                     |                  |                |                  |
| 2. Weight, according to age; 6 months, 60-90 pounds; yearlings, 100-140 pounds       |                  | 8              |                  |
| 3. Form, deep, broad, low set; carriage good   |                  | 8              |                  |
| 4. Quality, hair silky; skin pink; bone dense; style active, sprightly               |                  | 5              |                  |
| 5. Constitution, heart girth large; brisket well forward, showing size and substance |                  | 8              |                  |
| 6. Temperament, contented, docile  |                  | 3              |                  |
| B. Head and neck:  |                  |                |                  |
| 7. Muzzle, fine; mouth and nostrils large, no flabbiness about mouth                 |                  | 1              |                  |
| 8. Eyes, large, clear, placid  |                  | 1              |                  |
| 9. Face, short; features clean cut   |                  | 1              |                  |
| 10. Forehead, broad, full  |                  | 1              |                  |
| 11. Ears, fine, erect  |                  | 1              |                  |
| 12. Neck, medium, short, well fleshed; throat clean                                  |                  | 1              |                  |
| C. Fore quarters:  |                  |                |                  |
| 13. Shoulder vein, full  |                  | 1              |                  |
| 14. Shoulder, wide across top, compact, well fleshed, smooth                         |                  | 3              |                  |
| 15. Brisket, well forward; breast wide   |                  | 2              |                  |
| 16. Legs, straight, short, wide apart; forearm full                                  |                  | 2              |                  |
| D. Body:   |                  |                |                  |
| 17. Chest, wide, deep  |                  | 3              |                  |
| 18. Ribs, long, well arched, well covered  |                  | 3              |                  |
| 19. Back, broad, straight, well fleshed; ribs arched                                 |                  | 7              |                  |
| 20. Loin, broad, strong  |                  | 9              |                  |
| 21. Flank, low, even with underline  |                  | 2              |                  |
| E. Hind quarters:  |                  |                |                  |
| 22. Hips, wide, smooth   |                  | 3              |                  |
| 23. Rump, long, level, wide  |                  | 3              |                  |
| 24. Pin bones, smooth, wide  |                  | 2              |                  |
| 25. Thighs, full, long, wide   |                  | 5              |                  |
| 26. Twist, low, well filled  |                  | 5              |                  |
| 27. Legs, straight, short  |                  | 2              |                  |
| F. Wool:   |                  |                |                  |
| 28. Fleece, dense, covering all parts of body evenly; yolk plentiful, free from kemp |                  | 6              |                  |
| 29. Fiber, bright, lustrous, strong, even; spirals regular                           |                  | 4              |                  |
| Total  | 100              |                |                  |

State Agricultural and Mechanical College of the University of Tennessee.

|   | Scale of points. | Perfect score. | Student's score. |
|---|------------------|----------------|------------------|
| A. Primary considerations:  |                  |                |                  |
| 1. Weight, — pounds   | .....            | 3              | .....            |
| 2. Size and substance, for age  | .....            | 4              | .....            |
| 3. Style, attractive, sprightly; breeding apparent                                      | .....            | 4              | .....            |
| 4. Appearance, square, blocky   | .....            | 5              | .....            |
| 5. Quality, skin pink; flesh firm; hair soft, fine, silky                               | .....            |                |                  |
| B. Nervous energy:  |                  |                |                  |
| 6. Temperament, active, controlled  | .....            | 7              | .....            |
| 7. Eyes, large, clear, bright, mild, placid, free from white                            | .....            | 6              | .....            |
| 8. Forehead, broad, high  | .....            | 3              | .....            |
| 9. Ears, small, thin, active  | .....            | 2              | .....            |
| 10. Spinal column, medium, well covered   | .....            | 6              | .....            |
| 11. Navel, large, defined   | .....            | 2              | .....            |
| C. Structural anatomy:  |                  |                |                  |
| 12. Contour, clean cut, smooth, correlated, symmetrical, free from patchiness and offal | .....            | 2              | .....            |
| 13. Head, medium in size; muzzle refined; mouth large; face lean                        | .....            | 1              | .....            |
| 14. Neck, fine; length medium; throat clean   | .....            | 1              | .....            |
| 15. Withers, broad on top, well covered, compact; shoulder well covered, slanting       | .....            | 1              | .....            |
| 16. Back, straight, strong, well muscled  | .....            | 2              | .....            |
| 17. Loin, broad, strong   | .....            | 3              | .....            |
| 18. Pelvic arch, suppressed, smooth; pin bones wide                                     | .....            | 2              | .....            |
| 19. Flank, low; twist full; thigh full  | .....            | 1              | .....            |
| 20. Bones, fine, joints smooth  | .....            | 2              | .....            |
| D. Digest and assimilation:   |                  |                |                  |
| 21. Nostrils, medium-sized, clear, bright   | .....            | 1              | .....            |
| 22. Breast and brisket, prominent, low  | .....            | 1              | .....            |
| 23. Chest, wide, deep, long; girth large  | .....            | 8              | .....            |
| 24. Barrel, medium long, broad on top, deep, capacious                                  | .....            | 9              | .....            |
| 25. Ribs, flat, close together, well arched   | .....            | 3              | .....            |
| 26. False ribs, well developed  | .....            | 3              | .....            |
| E. Mutton and wool:   |                  |                |                  |
| 27. Form, deep, broad, long, low set, evenly covered with firm flesh                    | .....            | 6              | .....            |
| 28. Back, broad, level, flesh firm, well covered  | .....            | 4              | .....            |
| 29. Hind quarters, meaty, well developed  | .....            | 4              | .....            |
| 30. Fleece, covering body evenly, dense; wool strong, even, bright                      | .....            | 3              | .....            |
| 31. Yolk, abundant; fleece free from kemp   | .....            | 1              | .....            |
| Total.....  | .....            | 100            | .....            |

## Agricultural College of Utah.

|  | Score.    |                          |                         |
|--|-----------|--------------------------|-------------------------|
|  | Mutton.   | Fine wool.               |                         |
|  | Standard. | Student's.<br>Corrected. | Standard.<br>Corrected. |
| Scale of points.   |           |                          |                         |
| General appearance:  |           |                          |                         |
| Age, as indicated by teeth —; corrected —                            | 6         |                          | 5                       |
| Weight, estimated, —; actual, —; score according to age              | 7         |                          | 5                       |
| Form, low, long, symmetrical, compact                                | 8         |                          | 7                       |
| Quality, bone clean, strong; hair silky                              | 5         |                          | 4                       |
| Temperament, quiet   |           |                          |                         |
| Head and neck:   |           |                          |                         |
| Muzzle, fine; mouth large; lips thin; nostrils large                 | 1         |                          | 1                       |
| Eyes, bright, full; whites clear                                     | 2         |                          | 2                       |
| Face, short; expression quiet  | 1         |                          | 1                       |
| Forehead, broad  | 1         |                          | 1                       |
| Ears, firm, erect, lively  | 1         |                          | 1                       |
| Neck, thick, short, heavier toward shoulders                         | 2         |                          | 1                       |
| Fore quarters:   |           |                          |                         |
| Shoulder vein, full  | 2         |                          | 1                       |
| Shoulders, compact, covered with flesh                               | 3         |                          | 3                       |
| Chest, wide, deep  | 3         |                          | 3                       |
| Brisket, projecting forward; breast wide                             | 2         |                          | 2                       |
| Legs, straight, short, wide apart, strong; forearm full; shanks fine | 2         |                          | 2                       |
| Body:  |           |                          |                         |
| Back, straight, wide, well covered                                   | 4         |                          | 3                       |
| Loin, thick, broad   | 3         |                          | 3                       |
| Ribs, arched, deep   | 3         |                          | 2                       |
| Flank, low, thick, making under line straight                        | 2         |                          | 2                       |
| Hind quarters:   |           |                          |                         |
| Hips, far apart, smooth  | 3         |                          | 2                       |
| Rump, long, level, wide  | 4         |                          | 2                       |
| Thighs, full, well fleshed   | 4         |                          | 2                       |
| Twist, plump, deep   | 4         |                          | 3                       |
| Legs, straight, short, strong; shanks smooth                         | 3         |                          | 3                       |
| Constitution:  |           |                          |                         |
| Girth, large; — feet, — inches                                       | 3         |                          | 3                       |
| Skin, soft; color, pink  | 3         |                          | 4                       |
| Fleece, dense, even over the body                                    | 2         |                          | 5                       |
| Yolk, abundant, evenly distributed                                   | 2         |                          | 4                       |
| Wool:  |           |                          |                         |
| Quantity, long, dense, even  | 6         |                          | 7                       |
| Quality, fine, soft, pure, even; fibre lustrous                      | 4         |                          | 11                      |
| Condition, bright, strong, clean                                     | 4         |                          | 5                       |
| Total.....   | 100       |                          | 100                     |

## MUTTON SHEEP.

## College of Agriculture of the University of Illinois.

Same as the Indiana card (see below) for mutton sheep. The Illinois card uses the word "condition" in the description of the chest instead of "constitution," which is probably a typographical error.

## School of Agriculture of Purdue University.

| Scale of points.   | Stand-ard. | Student's score. | Corrected. |
|--|------------|------------------|------------|
| 1. Age, —  |            |                  |            |
| General appearance—38 points:  |            |                  |            |
| 2. Weight, score according to age.....   | 8          |                  |            |
| 3. Form, long, level, deep, broad, low set, stylish.....   | 10         |                  |            |
| 4. Quality, bone clean; hair silky; skin fine; light in offal, yielding large percentage of meat.....  | 10         |                  |            |
| 5. Condition, deep, even covering of firm flesh, especially in region of valuable cuts; points indicating condition or ripeness are thick dock, back thickly covered with flesh, thick neck, full purse, full flank, plump breast..... | 10         |                  |            |
| Head and neck—7 points:  |            |                  |            |
| 6. Muzzle, fine; mouth large; lips thin; nostrils large.....   | 1          |                  |            |
| 7. Eyes, large, clear, placid.....   | 1          |                  |            |
| 8. Face, short; features clean cut.....  | 1          |                  |            |
| 9. Forehead, broad, full.....  | 1          |                  |            |
| 10. Ears, fine, erect.....   | 1          |                  |            |
| 11. Neck, thick, short; throat free from folds.....  | 2          |                  |            |
| Fore quarters—7 points:  |            |                  |            |
| 12. Shoulder, covered with flesh, compact on top, smooth.....  | 5          |                  |            |
| 13. Brisket, projecting forward; breast wide.....  | 1          |                  |            |
| 14. Legs, straight, short, wide apart, strong; forearm full; shank smooth, fine.....   | 1          |                  |            |
| Body—20 points:  |            |                  |            |
| 15. Chest, wide, deep, full, indicating constitution.....  | 4          |                  |            |
| 16. Ribs, well sprung, deep.....   | 4          |                  |            |
| 17. Back, broad, straight, long, thickly fleshed.....  | 6          |                  |            |
| 18. Loin, thick, broad, long.....  | 6          |                  |            |
| Hind quarters—16 points:   |            |                  |            |
| 19. Hips, far apart, level, smooth.....  | 2          |                  |            |
| 20. Rump, long, level, wide to tailhead.....   | 4          |                  |            |
| 21. Thighs, full, deep, wide.....  | 4          |                  |            |
| 22. Twist, plump, deep.....  | 5          |                  |            |
| 23. Legs, straight, short, strong; shank smooth, fine.....   | 1          |                  |            |
| Wool—12 points:  |            |                  |            |
| 24. Quantity, long, dense, even.....   | 4          |                  |            |
| 25. Quality, fine, pure; crimp close, regular, even.....   | 4          |                  |            |
| 26. Condition, bright, sound, clean, soft, light.....  | 4          |                  |            |
| Total .....  | 100        |                  |            |

## Iowa State College of Agriculture and the Mechanic Arts.

|   | Scale of points. | Perfect score. |
|---|------------------|----------------|
| 1. Age  |                  |                |
| General appearance:   |                  |                |
| 2. Weight, score according to age   |                  | 8              |
| 3. Form, long, level, deep, broad, low set, stylish   |                  | 10             |
| 4. Quality, bone clean; hair silky; skin fine; light in offal, yielding large percentage of meat  |                  | 10             |
| 5. Condition, deep, even covering of firm flesh, especially in region of valuable cuts; points indicating condition or ripeness are thick dock, back thickly covered with flesh, thick neck, full purse, full flank, plump breast |                  | 10             |
| Head and neck:  |                  |                |
| 6. Muzzle, fine; mouth large; lips thin; nostrils large   |                  | 1              |
| 7. Eyes, large, clear, placid   |                  | 1              |
| 8. Face, short; features clean cut  |                  | 1              |
| 9. Forehead, broad, full  |                  | 1              |
| 10. Ears, fine, erect   |                  | 1              |
| 11. Neck, thick, short; throat free from folds  |                  | 1              |
| Fore quarters:  |                  |                |
| 12. Shoulder vein, full   |                  | 1              |
| 13. Shoulder, covered with flesh, compact on top, smooth  |                  | 1              |
| 14. Brisket, projecting forward; breast wide  |                  | 1              |
| 15. Legs, straight, short, wide apart, strong; forearm full; shank smooth, fine   |                  | 1              |
| Body:   |                  |                |
| 16. Chest, wide, deep, full, indicating condition   |                  | 8              |
| 17. Back, broad, straight, long, thickly fleshed; ribs arched   |                  | 10             |
| 18. Loin, thick, broad, long  |                  | 10             |
| Hind quarters:  |                  |                |
| 19. Hips, far apart, level, smooth  |                  | 2              |
| 20. Rump, long, level, wide to tailhead   |                  | 3              |
| 21. Thighs, full, deep, wide  |                  | 3              |
| 22. Twist, plump, deep  |                  | 3              |
| 23. Legs, straight, short, strong; shank smooth, fine   |                  | 1              |
| Wool:   |                  |                |
| 24. Kind, domestic, territory, carpet or blanket  |                  |                |
| 25. Class, clothing, delaine or combing   |                  |                |
| 26. Grade, fine, medium or coarse   |                  |                |
| 27. Quantity, long, dense, even   |                  |                |
| 28. Quality, fine, pure; crimp close, regular, even   |                  | 4              |
| 29. Condition, bright, sound, clean, soft, light  |                  | 4              |
| Total   |                  | 100            |

## Agricultural and Mechanical College of Kentucky.

Same as the Iowa card (see above), except that under chest the word "constitution" is used instead of "condition;" this is probably what is intended in the Iowa card.

## Massachusetts Agricultural College.

| Scale of points.  | Points deficient. |                  |            |
|---|-------------------|------------------|------------|
|   | Possible score.   | Student's score. | Corrected. |
| A. Age, — ; teeth, —  |                   |                  |            |
| B. General appearance:  |                   |                  |            |
| Weight, estimated, — pounds; actual, — pounds; according to age       | 10                |                  |            |
| Form, low, long, symmetrical, compact, evenly covered with firm flesh | 10                |                  |            |
| Quality, bone clean; hair silky                                       | 6                 |                  |            |
| Temperament   | 2                 |                  |            |
|   | 28                |                  |            |
| C. Head and neck:   |                   |                  |            |
| Muzzle, fine; mouth large; lips thin; nostrils large                  | 1                 |                  |            |
| Eyes, bright, full  | 1                 |                  |            |
| Face, short; expression quiet   | 1                 |                  |            |
| Forehead, broad   | 1                 |                  |            |
| Ears, fine, erect   | 1                 |                  |            |
| Neck, thick, short  | 1                 |                  |            |
|   | 6                 |                  |            |
| D. Fore quarters:   |                   |                  |            |
| Shoulder vein, full   | 2                 |                  |            |
| Shoulders, covered, compact   | 3                 |                  |            |
| Chest, wide, deep   | 3                 |                  |            |
| Brisket, projecting forward; breast wide                              | 2                 |                  |            |
| Legs, straight, short, wide apart, strong; forearm full; shank smooth | 3                 |                  |            |
|   | 13                |                  |            |
| E. Body:  |                   |                  |            |
| Back, straight, wide  | 4                 |                  |            |
| Loin, thick, broad  | 3                 |                  |            |
| Ribs, arched, deep  | 3                 |                  |            |
| Flank, low, thick, making underline straight                          | 2                 |                  |            |
|   | 12                |                  |            |
| F. Hind quarters:   |                   |                  |            |
| Hips, far apart, smooth   | 3                 |                  |            |
| Rump, long, level, wide   | 4                 |                  |            |
| Thighs, full  | 3                 |                  |            |
| Twist, plump, deep  | 4                 |                  |            |
| Legs, straight, short, strong; shank smooth                           | 3                 |                  |            |
|   | 17                |                  |            |
| G. Constitution:  |                   |                  |            |
| Girth, large  | 3                 |                  |            |
| Skin, color pink  | 3                 |                  |            |
| Fleece, dense, even over body; yoke abundant                          | 4                 |                  |            |
|   | 10                |                  |            |
| H. Wool:  |                   |                  |            |
| Quantity, long, dense, even   | 6                 |                  |            |
| Quality, fine, soft, pure, even                                       | 4                 |                  |            |
| Condition, bright, strong, clean                                      | 4                 |                  |            |
|   | 14                |                  |            |
| Total   | 100               |                  |            |

## Michigan State Agricultural College.

|   | Scale of points. | Stand-<br>ard. | Student's<br>estimate. | Corrected. |
|---|------------------|----------------|------------------------|------------|
| A. General appearance:  |                  |                |                        |            |
| Weight, estimated, — pounds; actual, — pounds; standard for mature ram, —; ewe, —   |                  | 6              |                        |            |
| Form, low, compact, symmetrical   |                  | 6              |                        |            |
| Quality, should not be coarse in bone, fleece, or features; firm in handling, yet with soft, pliable skin of bright pink color. |                  | 7              |                        |            |
| Constitution, shown by fleece, skin, girth, and movement  |                  | 10             |                        |            |
| B. Head and neck:   |                  |                |                        |            |
| Muzzle, mouth and nostrils of good size; lips thin  |                  | 1              |                        |            |
| Eyes, bright, prominent; whites clear   |                  | 2              |                        |            |
| Face, short, except in Oxfords, Hampshires, and Cotswolds   |                  | 1              |                        |            |
| Forehead, broad, full   |                  | 2              |                        |            |
| Ears, well apart, covered with fine, soft hair; in size and form typical of breed   |                  | 1              |                        |            |
| Neck, short, thick, neatly tapering to head   |                  | 2              |                        |            |
| C. Fore quarters:   |                  |                |                        |            |
| Shoulders, smoothly joined with neck and body, broad, compact on top  |                  | 6              |                        |            |
| Breast, broad, carried well forward, closely joined to legs   |                  | 4              |                        |            |
| Legs, short, straight, strong, well apart; arm full   |                  | 2              |                        |            |
| D. Body:  |                  |                |                        |            |
| Back and loin, straight, broad  |                  | 8              |                        |            |
| Ribs, springing from spine in such a plane as to make back broad and flat   |                  | 4              |                        |            |
| Chest, showing no depression above, at sides, or below, making large girth  |                  | 6              |                        |            |
| Flank, low, full  |                  | 3              |                        |            |
| E. Hind quarters:   |                  |                |                        |            |
| Hips, broad, flat above   |                  | 4              |                        |            |
| Rump, long, level, wide   |                  | 4              |                        |            |
| Thighs, full  |                  | 5              |                        |            |
| Twist, deep, plump  |                  | 4              |                        |            |
| Legs, straight, short, strong, but not coarse   |                  | 2              |                        |            |
| F. Wool:  |                  |                |                        |            |
| Quality, fine for breed, soft, even   |                  | 3              |                        |            |
| Density, great, even  |                  | 3              |                        |            |
| Length, great, even   |                  | 3              |                        |            |
| Yolk, slight amount   |                  | 1              |                        |            |
| Total   |                  | 100            |                        |            |

## College of Agriculture of the University of Minnesota.

This is the same as the Iowa card (see p. 104) for mutton sheep, with the following exceptions: The shoulder is given 2 points, chest 6, and thighs 4, and under fore legs the description of shank reads "smooth, firm."

## College of Agriculture and the Mechanic Arts of the University of Missouri.

| Scale of points.  | Perfect. | Student's estimate. | Corrected. |
|---|----------|---------------------|------------|
| <b>General appearance:</b>  |          |                     |            |
| Age, as indicated by teeth —; corrected —                               |          |                     |            |
| Weight, estimated, — pounds; corrected, — pounds; according to age      | 6        |                     |            |
| Form, square, blocky, low, symmetrical                                  | 8        |                     |            |
| Quality, skin, thick, soft; color pink; bone clean, fine                | 8        |                     |            |
| Temperament, quiet  | 5        |                     |            |
|   | 27       |                     |            |
| <b>Head and neck:</b>   |          |                     |            |
| Muzzle, fine; mouth large; lips thin; nostrils wide, open               | 1        |                     |            |
| Face, short; expression placid  | 1        |                     |            |
| Eyes, prominent, bright   | 1        |                     |            |
| Forehead, broad   | 1        |                     |            |
| Ears, erect, fine, lively   | 1        |                     |            |
| Neck, short, thick, heavier toward the shoulders                        | 2        |                     |            |
|   | 7        |                     |            |
| <b>Fore quarter:</b>  |          |                     |            |
| Shoulder vein, full   | 2        |                     |            |
| Shoulder, compact, well covered with flesh, broad on top                | 3        |                     |            |
| Brisket, projecting, deep, broad; breast wide                           | 3        |                     |            |
| Legs, straight, short, well placed outside; arm full, short; bone clean | 3        |                     |            |
|   | 11       |                     |            |
| <b>Body:</b>  |          |                     |            |
| Chest, deep, thick through the heart                                    | 4        |                     |            |
| Back, straight, broad, thickly covered with flesh                       | 3        |                     |            |
| Loin, thick, broad, well fleshed  | 3        |                     |            |
| Ribs, well sprung, arched, deep   | 3        |                     |            |
| Flank, full, low, thick, making under line straight                     | 3        |                     |            |
|   | 16       |                     |            |
| <b>Hind quarter:</b>  |          |                     |            |
| Hips, wide apart, smooth  | 3        |                     |            |
| Rump, long, level, wide   | 3        |                     |            |
| Thighs, full, well fleshed  | 3        |                     |            |
| Twist, deep, full   | 4        |                     |            |
| Legs, straight, short, strong; bone fine, clean                         | 3        |                     |            |
|   | 16       |                     |            |
| <b>Constitution:</b>  |          |                     |            |
| Girth, large; estimated, —; corrected, —                                | 3        |                     |            |
| Skin, color bright pink   | 3        |                     |            |
| Yolk, abundant, evenly distributed                                      | 3        |                     |            |
|   | 9        |                     |            |
| <b>Wool:</b>  |          |                     |            |
| Quantity, dense, long, even   | 6        |                     |            |
| Quality, fine, strong, lustrous fiber, without break                    | 4        |                     |            |
| Condition, bright, strong, clean  | 4        |                     |            |
|   | 14       |                     |            |
| <b>Total</b> .....  | 100      |                     |            |

## North Dakota Agricultural College.

| Scale of points. <sup>a</sup>   | Perfect score.   | Points deficient. |
|---|------------------|-------------------|
|   | Student's score. | Corrected.        |
| Age, —; teeth, —  |                  |                   |
| General appearance:   |                  |                   |
| Weight, estimated, — pounds; actual, — pounds; according to age       | 6                |                   |
| Form, low, long, symmetrical, compact                                 | 8                |                   |
| Quality, bone clean, strong; hair silky                               | 8                |                   |
| Temperament, quiet  | 5                |                   |
| Head and neck:  |                  |                   |
| Muzzle, fine; mouth large; lips thin; nostrils large                  | 1                |                   |
| Eyes, bright, full  | 1                |                   |
| Face, short; expression quiet   | 1                |                   |
| Forehead, broad   | 1                |                   |
| Ears, fine, erect   | 1                |                   |
| Neck, thick, short  | 1                |                   |
| Fore quarters:  |                  |                   |
| Shoulder vein, full   | 2                |                   |
| Shoulder, covered, compact  | 3                |                   |
| Brisket, projecting forward; breast wide                              | 2                |                   |
| Legs, straight, short, wide apart, strong; forearm full; shank smooth | 3                |                   |
| Body:   |                  |                   |
| Chest, wide, deep   | 3                |                   |
| Back, straight, wide  | 4                |                   |
| Loins, thick, broad   | 3                |                   |
| Ribs, arched, deep  | 3                |                   |
| Flank, low, thick, making under line straight                         | 2                |                   |
| Hind quarters:  |                  |                   |
| Hips, far apart, smooth   | 3                |                   |
| Rump, long, level, wide   | 3                |                   |
| Thighs, full  | 3                |                   |
| Twist, deep, plump  | 4                |                   |
| Purse, full, indicating condition                                     | 2                |                   |
| Legs, straight, short, strong; shank smooth                           | 3                |                   |
| Constitution:   |                  |                   |
| Girth, large  | 3                |                   |
| Skin, color pink  | 3                |                   |
| Fleece, dense, even over body; yolk abundant                          | 4                |                   |
| Wool:   |                  |                   |
| Quantity, long, dense, even   | 6                |                   |
| Quality, fine, soft, pure, even                                       | 4                |                   |
| Condition, bright, strong, clean                                      | 4                |                   |
| Total   | 100              |                   |

<sup>a</sup> After Craig.

## Oklahoma Agricultural and Mechanical College.

| Scale of points.  | Possible score. | Student's score. | Corrected. |
|---|-----------------|------------------|------------|
| General appearance—36 points:   |                 |                  |            |
| Weight, estimated, — pounds; actual, — pounds; score according to age .....   | 8               |                  |            |
| Form, long, level, deep, broad, low set, stylish .....  | 10              |                  |            |
| Quality, bone clean; hair silky; skin fine; light in offal, yielding large percentage of meat .....   | 8               |                  |            |
| Condition, deep, even covering of firm flesh, especially in region of valuable cuts; points indicating condition or ripeness are thick dock, back thickly covered with flesh, thick neck, full purse, full, low flank, plump breast ..... | 10              |                  |            |
| Head and neck—6 points:   |                 |                  |            |
| Muzzle, fine; mouth large; lips thin; nostrils large .....  | 1               |                  |            |
| Eyes, large, clear, placid .....  | 1               |                  |            |
| Face, short; features clean cut .....   | 1               |                  |            |
| Forehead, broad, full .....   | 1               |                  |            |
| Ears, fine, erect .....   | 1               |                  |            |
| Neck, thick, short, free from folds .....   | 1               |                  |            |
| Fore quarters—4 points:   |                 |                  |            |
| Shoulder vein, full .....   | 1               |                  |            |
| Shoulder, covered with flesh, compact on top, smooth .....  | 1               |                  |            |
| Brisket, projecting forward; breast wide .....  | 1               |                  |            |
| Legs, straight, short, wide apart, strong; forearm full; shank smooth, fine .....   | 1               |                  |            |
| Body—26 points:   |                 |                  |            |
| Chest, wide, deep, full, indicating constitution .....  | 8               |                  |            |
| Back, broad, straight, long, wide, thickly fleshed; ribs arched .....   | 10              |                  |            |
| Loin, thick, broad, long .....  | 8               |                  |            |
| Hind quarters—17 points:  |                 |                  |            |
| Hips, far apart, level, smooth .....  | 2               |                  |            |
| Rump, long, level, wide to tailhead .....   | 4               |                  |            |
| Thighs, full, deep, wide .....  | 5               |                  |            |
| Twist, plump, deep .....  | 5               |                  |            |
| Legs, straight, short, strong; shank smooth, fine .....   | 1               |                  |            |
| Wool—11 points:   |                 |                  |            |
| Kind, domestic, territory, carpet, or blanket .....   |                 |                  |            |
| Class, clothing, delaine, or combing .....  |                 |                  |            |
| Grade, fine, medium, or coarse .....  |                 |                  |            |
| Quantity, long, dense, even .....   | 4               |                  |            |
| Quality, fine, pure; crimp close, regular, even .....   | 3               |                  |            |
| Condition, bright, sound, clean, soft, light .....  | 4               |                  |            |
| Total .....   | 100             |                  |            |

## The Pennsylvania State College.

| Scale of points.   | Perfect score. | Points deficient. |            |
|--|----------------|-------------------|------------|
|  |                | Student's score.  | Corrected. |
| Age, —; teeth, —.  |                |                   |            |
| General appearance:  |                |                   |            |
| Weight, estimated, — pounds; actual, — pounds; according to age        | 6              |                   |            |
| Form, low, long, symmetrical, compact                                  | 8              |                   |            |
| Quality, bone clean, strong; hair silky                                | 8              |                   |            |
| Temperament, quiet   | 5              |                   |            |
| Head and neck:   |                |                   |            |
| Muzzle, fine; mouth large; lips thin; nostrils large                   | 1              |                   |            |
| Eyes, bright, full   | 1              |                   |            |
| Face, short; expression quiet  | 1              |                   |            |
| Forehead, broad  | 1              |                   |            |
| Ears, fine, erect  | 1              |                   |            |
| Neck, thick, short   | 1              |                   |            |
| Fore quarters:   |                |                   |            |
| Shoulder vein, full  | 2              |                   |            |
| Shoulders, covered, compact  | 3              |                   |            |
| Brisket, projecting forward; breast wide                               | 2              |                   |            |
| Legs, straight, short, wide apart, strong; forearm full; shanks smooth | 3              |                   |            |
| Body:  |                |                   |            |
| Chest, wide, deep  | 3              |                   |            |
| Back, straight, wide   | 4              |                   |            |
| Loin, thick, broad   | 3              |                   |            |
| Ribs, arched, deep   | 3              |                   |            |
| Flank, low, thick, making under line straight                          | 2              |                   |            |
| Hind quarters:   |                |                   |            |
| Hips, far apart, smooth  | 3              |                   |            |
| Rump, long, level, wide  | 3              |                   |            |
| Thighs, full   | 3              |                   |            |
| Twist, plump, deep   | 4              |                   |            |
| Purse, full, indicating condition                                      | 2              |                   |            |
| Legs, straight, short, strong; shank smooth                            | 3              |                   |            |
| stitution:   |                |                   |            |
| Girth, large   | 3              |                   |            |
| Skin, color pink   | 3              |                   |            |
| Fleece, dense and even over body; yolk abundant                        | 4              |                   |            |
| Wool:  |                |                   |            |
| Quantity, long, dense, even  | 6              |                   |            |
| Quality, fine, soft, pure, even  | 4              |                   |            |
| Condition, bright, strong, clean                                       | 4              |                   |            |
| Total  | 100            |                   |            |

## College of Agriculture of the University of Wisconsin.

| Scale of points.  | Per-fect score. | Points deficient. |
|---|-----------------|-------------------|
|   |                 | Student's score.  |
|   |                 | Corrected.        |
| Age, —; teeth, —  |                 |                   |
| General appearance—24 points:   |                 |                   |
| Weight, estimated, — pounds; actual, — pounds; according to age       | 6               |                   |
| Form, low, long, symmetrical, compact, evenly covered with firm flesh | 10              |                   |
| Quality, bone clean; hair silky                                       | 6               |                   |
| Temperament   | 2               |                   |
| Head and neck—9 points:   |                 |                   |
| Muzzle, fair size; nostrils large; lips thin; mouth large             | 2               |                   |
| Eyes, full, bright  | 1               |                   |
| Face, short; expression bold  | 1               |                   |
| Forehead, broad   | 1               |                   |
| Ears, fine, erect   | 1               |                   |
| Neck, thick, short; throat clean                                      | 3               |                   |
| Fore quarters—13 points:  |                 |                   |
| Shoulder vein, full   | 2               |                   |
| Shoulders, covered, compact   | 3               |                   |
| Chest, deep, wide; girth large  | 3               |                   |
| Brisket, full, prominent; breast wide                                 | 2               |                   |
| Legs, straight, short, wide apart, strong; forearm full; shank smooth | 3               |                   |
| Body—13 points:   |                 |                   |
| Back, straight, wide  | 4               |                   |
| Loin, broad, thick  | 4               |                   |
| Ribs, deep, arched  | 3               |                   |
| Flank, low, thick, making underline straight                          | 2               |                   |
| Hind quarters—17 points:  |                 |                   |
| Hips, smooth, far apart   | 3               |                   |
| Rump, long, level, wide   | 4               |                   |
| Thighs, full, well fleshed  | 3               |                   |
| Twist, plump, deep  | 4               |                   |
| Legs, straight, short, strong; shank smooth                           | 3               |                   |
| Constitution—10 points:   |                 |                   |
| Girth, large  | 3               |                   |
| Skin, color pink  | 3               |                   |
| Fleece, dense, even over body; yolk abundant                          | 4               |                   |
| Wool—11 points:   |                 |                   |
| Quantity, long, dense, even   | 6               |                   |
| Quality, fine, soft, pure, even                                       | 4               |                   |
| Condition, bright, strong, clean                                      | 4               |                   |
| Total   | 100             |                   |

## WOOL SHEEP.

## Iowa State College of Agriculture and the Mechanic Arts.

|   | Scale of points. | Perfect score. |
|---|------------------|----------------|
| 1. Age, —   |                  |                |
| General appearance:   |                  |                |
| 2. Weight   |                  | 8              |
| 3. Form, level, deep, stylish, round rather than square   |                  | 8              |
| 4. Quality, bone clean, fine; hair silky; skin fine   |                  | 6              |
| Head and neck:  |                  |                |
| 5. Muzzle, fine; nose broad, wrinkly; pure white  |                  | 1              |
| 6. Eyes, large, clear, placid   |                  | 1              |
| 7. Face, wrinkly, covered with soft velvety coat  |                  | 1              |
| 8. Forehead, broad, full  |                  | 1              |
| 9. Ears, soft thick, velvety  |                  | 1              |
| 10. Neck, short, muscular, well set on shoulders  |                  | 1              |
| Fore quarters:  |                  |                |
| 11. Shoulder, strong, deep, broad   |                  | 4              |
| 12. Brisket, projecting forward; breast wide  |                  | 1              |
| 13. Legs, straight, short, wide apart; shank smooth, fine   |                  | 2              |
| Body:   |                  |                |
| 14. Chest, deep, full, indicating constitution  |                  | 10             |
| 15. Back, level, long, round ribbed   |                  | 4              |
| 16. Loin, wide, level   |                  | 4              |
| 17. Flank low, making under line straight   |                  | 2              |
| Hind quarters:  |                  |                |
| 18. Hips, far apart, level, smooth  |                  | 2              |
| 19. Rump, long, level, wide   |                  | 4              |
| 20. Legs, straight, short, strong; shank smooth, fine   |                  | 2              |
| Wool:   |                  |                |
| 21. Kind, Domestic, clean, bright.  |                  |                |
| Carpet } hairy or having dead fibers.   |                  |                |
| Blanket } Territory, dirty or discolored.   |                  |                |
| 22. Class, Clothing, fiber under 2 inches in length or unsound.                                       |                  |                |
| Delaine, fiber 2 to 3 inches in length.   |                  |                |
| Combing, fiber over 3 inches in length and sound.   |                  |                |
| 23. Grade, fine, medium, or coarse.   |                  |                |
| 24. Quantity, long, dense, even, covering especially crown, cheek, armpit, hind leg, and belly        |                  |                |
| 25. Quality, fiber, fine, close; quality even, including tops of folds; crimp regular                 |                  | 15             |
| 26. Condition, bright, lustrous, sound, pure, soft; distribution of yolk even; even surface to fleece |                  | 15             |
| Total .....   |                  | 100            |

## Michigan State Agricultural College.

|  | Scale of points. | Stand-ard. | Student's estimate. | Corrected. |
|--|------------------|------------|---------------------|------------|
| A. General appearance:   |                  |            |                     |            |
| Weight, estimated, — pounds; actual, — pounds; standard for mature ram, —; ewe, —  |                  | 4          |                     |            |
| Form, level, deep, round rather than square  |                  | 5          |                     |            |
| Quality, should not be coarse in bone, fleece, or features; firm in handling, yet with soft, pliable skin or bright pink color |                  | 6          |                     |            |
| Constitution, shown by fleece, skin, girth, and movement   |                  | 10         |                     |            |
| B. Head and neck:  |                  |            |                     |            |
| Muzzle, mouth and nostrils of good size; lips thin   |                  | 1          |                     |            |
| Eyes, bright, prominent; whites clear  |                  | 2          |                     |            |
| Face, short, except in Oxfords, Hampshires, and Cotswolds  |                  | 1          |                     |            |
| Forehead, broad, full  |                  | 2          |                     |            |
| Ears, well apart, covered with fine soft hair, in size and form typical of breed   |                  | 1          |                     |            |
| Neck, for M., short, thick, neatly tapering to head; for W., longer, drooping at yoke  |                  | 1          |                     |            |
| C. Fore quarters:  |                  |            |                     |            |
| Shoulders, for M., smoothly joined with neck and body, broad on top, compact; for W., less closely joined                      |                  | 4          |                     |            |
| Breast, broad, carried well forward, closely joined to legs  |                  | 3          |                     |            |
| Legs, short, straight, strong, well apart; arm full  |                  | 2          |                     |            |
| D. Body:   |                  |            |                     |            |
| Back and loin, straight, broad   |                  | 5          |                     |            |
| Ribs, springing from spine in such a plane as to make back broad and flat; for wool, slope downward from spine                 |                  | 2          |                     |            |
| Chest, showing no depression above, at sides, or below, making large girth   |                  | 4          |                     |            |
| Flank, low, full   |                  | 2          |                     |            |
| E. Hind quarters:  |                  |            |                     |            |
| Hips, broad, flat above  |                  | 2          |                     |            |
| Rump, long, level, wide  |                  | 2          |                     |            |
| Thighs, full, less so for W.   |                  | 2          |                     |            |
| Twist, deep, plump   |                  | 2          |                     |            |
| Legs, straight, short, strong, but not coarse  |                  | 2          |                     |            |
| F. Wool:   |                  |            |                     |            |
| Quality, fine for breed, soft, even  |                  | 12         |                     |            |
| Density, great, even   |                  | 10         |                     |            |
| Length, great, even  |                  | 10         |                     |            |
| Yolk, slight amount  |                  | 3          |                     |            |
| Total  |                  | 100        |                     |            |

## POULTRY.

## Kansas State Agricultural College.

|                       | Possible score. |        | Student's score. |        | Judge's score. |        | Remarks. |
|-----------------------|-----------------|--------|------------------|--------|----------------|--------|----------|
|                       | Shape.          | Color. | Shape.           | Color. | Shape.         | Color. |          |
| Typical carriage      |                 |        |                  |        |                |        |          |
| Weight and size       |                 |        |                  |        |                |        |          |
| Condition             |                 |        |                  |        |                |        |          |
| Head                  |                 |        |                  |        |                |        |          |
| Comb                  |                 |        |                  |        |                |        |          |
| Eyes                  |                 |        |                  |        |                |        |          |
| Ear lobes and wattles |                 |        |                  |        |                |        |          |
| Neck                  |                 |        |                  |        |                |        |          |
| Back                  |                 |        |                  |        |                |        |          |
| Tail                  |                 |        |                  |        |                |        |          |
| Breast                |                 |        |                  |        |                |        |          |
| Body and fluff        |                 |        |                  |        |                |        |          |
| Wings                 |                 |        |                  |        |                |        |          |
| Legs and toes         |                 |        |                  |        |                |        |          |
| Crest and beard       |                 |        |                  |        |                |        |          |
| Hardness of feather   |                 |        |                  |        |                |        |          |
| Total outs            |                 |        |                  |        |                |        |          |
| Total score           |                 |        |                  |        |                |        |          |

## Cornell University.

| Scale of points.       | Perfect score. |          |                     | Deficient.          |             |
|------------------------|----------------|----------|---------------------|---------------------|-------------|
|                        | Ameri-can.     | Asiatic. | Medi-terrean.       | Student's estimate. | Cor-rected. |
| Typical carriage.      | 8              | 8        | 8                   |                     |             |
| Weight or size.        | 6              | 6        | 10                  |                     |             |
| Condition.             | 6              | 6        | 5                   |                     |             |
| Head:                  |                |          |                     |                     |             |
| Shape.                 | 3              | 3        | 2                   |                     |             |
| Color.                 | 3              | 3        | 2                   |                     |             |
| Comb.                  | 8              | 8        | 10                  |                     |             |
| Wattles and ear lobes. | 6              | 6        | { w. 4<br>e. l. 6 } |                     |             |
| Neck:                  |                |          |                     |                     |             |
| Shape.                 | 4              | 4        | 3                   |                     |             |
| Color.                 | 6              | 6        | 4                   |                     |             |
| Back:                  |                |          |                     |                     |             |
| Shape.                 | 5              | 4        | 3                   |                     |             |
| Color.                 | 5              | 4        | 4                   |                     |             |
| Breast:                |                |          |                     |                     |             |
| Shape.                 | 5              | 5        | 6                   |                     |             |
| Color.                 | 5              | 5        | 4                   |                     |             |
| Body and fluff:        |                |          |                     |                     |             |
| Shape.                 | 3              | 5        | 3                   |                     |             |
| Color.                 | 3              | 3        | 3                   |                     |             |
| Wings:                 |                |          |                     |                     |             |
| Shape.                 | 4              | 4        | 4                   |                     |             |
| Color.                 | 4              | 4        | 4                   |                     |             |
| Tail:                  |                |          |                     |                     |             |
| Shape.                 | 4              | 4        | 4                   |                     |             |
| Color.                 | 4              | 4        | 4                   |                     |             |
| Legs and toes.         | 8              | 8        | 7                   |                     |             |
| Total.                 | 100            | 100      | 100                 |                     |             |

North Dakota Agricultural College.<sup>a</sup>

|                         |  |                      |
|-------------------------|--|----------------------|
| Symmetry—typical shape. |  | Body and fluff:      |
| Weight.                 |  | Shape.               |
| Condition.              |  | Color.               |
| Comb.                   |  | Wings:               |
| Eyes.                   |  | Shape.               |
| Head:                   |  | Color.               |
| Shape.                  |  | Tail:                |
| Color.                  |  | Shape.               |
| Wattles and ear lobes:  |  | Color.               |
| Shape.                  |  | Legs and toes:       |
| Color.                  |  | Shape.               |
| Neck:                   |  | Color.               |
| Shape.                  |  | Crest and beard:     |
| Color.                  |  | Shape.               |
| Back:                   |  | Color.               |
| Shape.                  |  | Hardness of feather. |
| Color.                  |  | Score.               |
| Breast:                 |  |                      |
| Shape.                  |  |                      |
| Color.                  |  |                      |

<sup>a</sup>North Dakota and Northern Minnesota Poultry Association. A. P. A. standard score card.

## The Pennsylvania State College.

| Scale of points.       | Perfect score. |          |                    | Deficient.          |             |  |
|------------------------|----------------|----------|--------------------|---------------------|-------------|--|
|                        | Ameri-can.     | Asiatic. | Mediterranean.     | Student's estimate. | Cor-rected. |  |
| Typical carriage.      | 8              | 8        | 8                  |                     |             |  |
| Weight or size.        | 6              | 6        | 10                 |                     |             |  |
| Condition.             | 6              | 6        | 5                  |                     |             |  |
| Head:                  |                |          |                    |                     |             |  |
| Shape.                 | 3              | 3        | 2                  |                     |             |  |
| Color.                 | 3              | 3        | 2                  |                     |             |  |
| Comb.                  | 8              | 8        | 10                 |                     |             |  |
| Wattles and ear lobes. | 6              | 6        | { w. 4<br>e.l. 6 } |                     |             |  |
| Neck:                  |                |          |                    |                     |             |  |
| Shape.                 | 4              | 4        | 3                  |                     |             |  |
| Color.                 | 6              | 6        | 4                  |                     |             |  |
| Back:                  |                |          |                    |                     |             |  |
| Shape.                 | 5              | 4        | 3                  |                     |             |  |
| Color.                 | 5              | 4        | 4                  |                     |             |  |
| Breast:                |                |          |                    |                     |             |  |
| Shape.                 | 5              | 5        | 6                  |                     |             |  |
| Color.                 | 5              | 5        | 4                  |                     |             |  |
| Body and fluff:        |                |          |                    |                     |             |  |
| Shape.                 | 3              | 5        | 3                  |                     |             |  |
| Color.                 | 3              | 3        | 3                  |                     |             |  |
| Wings:                 |                |          |                    |                     |             |  |
| Shape.                 | 4              | 4        | 4                  |                     |             |  |
| Color.                 | 4              | 4        | 4                  |                     |             |  |
| Tail:                  |                |          |                    |                     |             |  |
| Shape.                 | 4              | 4        | 4                  |                     |             |  |
| Color.                 | 4              | 4        | 4                  |                     |             |  |
| Legs and toes.         | 8              | 8        | 7                  |                     |             |  |
| Total.                 | 100            | 100      | 100                |                     |             |  |

## Rhode Island College of Agriculture and the Mechanic Arts.

[The decimal score card. Copyright by I. K. Felch.]

Date ..... Breed ..... Sex .....  
 Entry No. ..... Coop No. ..... Weight .....  
 Ring No. ..... Directions for using this card.

|                             |   |  |
|-----------------------------|---|--|
| Condition, weight, or size. | To cut, for weight, comb, head, legs, check (x) the feature defective and cut in the column. For shape, make cut above the dotted line. For color, below the line. Shape being more defective than color, cut in space for shape, but low enough to include the dotted line. Color being the greater evil, commence figure just above the dotted line and carry deep down into column or space. This secures dispatch in its use for exhibitions. |  |
| Comb, or crest and comb.    |   |  |
| Head and adjuncts:          |   |  |
| Beak.                       |   |  |
| Eye.                        |   |  |
| Ear lobe.                   |   |  |
| Wattles.                    |   |  |
| Neck:                       |   |  |
| Shape.                      |   |  |
| Color.                      |   |  |
| Back:                       |   |  |
| Shape.                      |   |  |
| Color.                      |   |  |
| Breast:                     |   |  |
| Shape.                      |   |  |
| Color.                      |   |  |
| Body and fluff:             |   |  |
| Shape.                      |   |  |
| Color.                      |   |  |
| Wings:                      |   |  |
| Shape.                      |   |  |
| Color.                      |   |  |
| Tail:                       |   |  |
| Shape.                      |   |  |
| Color.                      |   |  |
| Legs and toes:              |   |  |
| Shape.                      |   |  |
| Plumage.                    |   |  |
| Color.                      |   |  |
| Total defects.              | Score .....   |  |

Owner and exhibitor. Each section 10 points.

Judge.  
Secty.

Pres.

## Rhode Island Agricultural College.

FOR BREEDING PEN.

[Copyright by I. K. Felch.]

|                                  |  |  |  |  |
|----------------------------------|--|--|--|--|
| Breed .....                      |  |  |  |  |
| Sex .....                        |  |  |  |  |
| Weight.....                      |  |  |  |  |
| Ring No .....                    |  |  |  |  |
| Condition, weight, or size ..... |  |  |  |  |
| Comb, or crest and comb .....    |  |  |  |  |
| Head and adjuncts:               |  |  |  |  |
| Beak .....                       |  |  |  |  |
| Eye .....                        |  |  |  |  |
| Ear lobe .....                   |  |  |  |  |
| Wattles .....                    |  |  |  |  |
| Neck:                            |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Color .....                      |  |  |  |  |
| Back:                            |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Color .....                      |  |  |  |  |
| Breast:                          |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Color .....                      |  |  |  |  |
| Body and fluff:                  |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Color .....                      |  |  |  |  |
| Wings:                           |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Color .....                      |  |  |  |  |
| Tail:                            |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Color .....                      |  |  |  |  |
| Legs and toes:                   |  |  |  |  |
| Shape .....                      |  |  |  |  |
| Plumage .....                    |  |  |  |  |
| Color .....                      |  |  |  |  |
| Total defects .....              |  |  |  |  |
| Score .....                      |  |  |  |  |

.....Judge.

## DRESSED CARCASSES AND BLOCK TESTS.

## BEEF CATTLE—CARCASS EXAMINATION.

College of Agriculture of the University of Minnesota.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| General appearance:  |                  |                |
| 1. Covering, even, smooth, firm, white .....   | 5                |                |
| 2. Form, compact, well filled out .....  | 10               |                |
| 3. Quality, flesh deep, even, firm; grain fine; texture firm but yielding to pressure; bone dense, fine; fat and lean well mixed ..... | 20               |                |
| 4. Kidney fat, firm, white, brittle, in proportion to covering .....   | 5                |                |
| Fore quarters:   |                  |                |
| 5. Neck, short, neat .....   | 1                |                |
| 6. Shoulder, compact, well covered .....   | 2                |                |
| 7. Chuck ribs, not coarse; meat thick .....  | 6                |                |
| 8. Prime ribs, flesh deep, carried well down, firm, evenly covered with medium thick fat .....   | 12               |                |
| 9. Plate, light, not coarse .....  | 3                |                |
| 10. Shank, arm full; bone fine .....   | 1                |                |
| Hind quarters:   |                  |                |
| 11. Loin, flesh firm, even, deep; fat and lean well mixed; spine fat medium thick .....  | 18               |                |
| 12. Rump, full and evenly fleshed to tailhead .....  | 4                |                |
| 13. Round, flesh thick, carried well down, well mixed with fat .....   | 10               |                |
| 14. Flank, thick, well filled .....  | 2                |                |
| 15. Shank, bone fine, dense .....  | 1                |                |
| Total .....  |                  | 100            |

BLOCK RECORD.

|                      |   |
|----------------------|---|
| Name of animal ..... | Type .....                                    |
| Breeding .....       | Sex .....                                     |
| Live weight .....    | Dressed weight .....                          |
| Shop No. ....        | Per cent dressed carcass to live weight ..... |
| Age .....            |   |

#### NOTES ON CARCASS.

|                               | Stand-<br>ard. | Stu-<br>dent's. | Cor-<br>rect. |   |
|-------------------------------|----------------|-----------------|---------------|---|
| Grain of meat.....            | 20             |                 |               | Marketable meat in <i>a, b, e, f, g, j</i> .....          |
| Mixture of fat and lean ..... | 20             |                 |               | Marketable meat in <i>c, d, i, k, l, m, n, o, p</i> ..... |
| Texture of lean .....         | 20             |                 |               | Remarks:  |
| Color of lean.....            | 10             |                 |               |   |
| Texture of fat.....           | 10             |                 |               |   |
| Color of fat.....             | 10             |                 |               |   |
| Flavor .....                  | 10             |                 |               |   |
| Total .....                   | 100            |                 |               |   |

## LARD HOGS—CARCASS EXAMINATION.

College of Agriculture of the University of Minnesota.

|   | Scale of points. | Perfect score. |
|---|------------------|----------------|
| General appearance:                                 |                  |                |
| 1. Skin, thin, mellow, soft                         | 5                |                |
| 2. Form, thick, deep; length medium                 | 10               |                |
| 3. Quality, flesh deep, even, firm; bone dense      | 20               |                |
| 4. Kidney fat, abundant, white, firm                | 5                |                |
| Carcass:  |                  |                |
| Head, fine, neat, short                             | 2                |                |
| Neck, short, full                                   | 3                |                |
| Shoulder, compact, well covered                     | 10               |                |
| Side, deep, thick, evenly fleshed, firm; loin heavy | 25               |                |
| Ham, large, plump, fleshed well down, firm          | 20               |                |
| Total   | 100              |                |

## BLOCK RECORD.

|          |                           |
|----------|---------------------------|
| Shop No. | Live weight.              |
| Type     | Dressed weight            |
| Age      | Per cent yield of carcass |
| Breeding | Date cut                  |
| Sex      | Cut by                    |

|                      | Major and minor cuts. | Weights. |
|----------------------|-----------------------|----------|
| Head:                |                       |          |
| Cheek meats          |                       |          |
| Refuse               |                       |          |
| Minor total          |                       |          |
| Total per cent       |                       |          |
| Shoulder:            |                       |          |
| Butt (loin)          |                       |          |
| Butt (fat)           |                       |          |
| Neck spare rib       |                       |          |
| Legs                 |                       |          |
| California ham       |                       |          |
| Trimmings            |                       |          |
| Minor totals         |                       |          |
| Offal or waste       |                       |          |
| Total per cent       |                       |          |
| Middle:              |                       |          |
| Kidney fat           |                       |          |
| Loin                 |                       |          |
| Fat back             |                       |          |
| Spare rib            |                       |          |
| Prime bacon          |                       |          |
| Bacon trimmings      |                       |          |
| Minor totals         |                       |          |
| Total per cent       |                       |          |
| Hams:                |                       |          |
| Prime hams           |                       |          |
| Trimmings            |                       |          |
| Leg                  |                       |          |
| Minor totals         |                       |          |
| Total per cent       |                       |          |
| Grand total per cent |                       |          |

## BACON HOGS—CARCASS EXAMINATION.

## College of Agriculture of the University of Minnesota.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| General appearance:  |                  |                |
| 1. Skin, thin, mellow, smooth.....   |                  | 5              |
| 2. Form, long, deep in proportion to thickness.....  |                  | 10             |
| 3. Quality, flesh, firm, even, streaked with fat and lean; back fat, thin; bone dense..... |                  | 20             |
| 4. Kidney fat, white, firm.....  |                  | 5              |
| Carcass:   |                  |                |
| Head, fine, neat, longer than in lard hog.....   |                  | 2              |
| Neck, short, not heavy.....  |                  | 3              |
| Shoulders, smooth, well covered.....   |                  | 10             |
| Sides, long, deep, evenly fleshed, firm; loin heavy.....                                   |                  | 25             |
| Ham, large, plump, firm; light covering of fat.....  |                  | 20             |
| Total .....  |                  | 100            |

## MUTTON SHEEP—CARCASS EXAMINATION.

## College of Agriculture of the University of Minnesota.

|  | Scale of points. | Perfect score. |
|--|------------------|----------------|
| General appearance:  |                  |                |
| 1. Covering, even, smooth, firm, dry, white .....  |                  | 5              |
| 2. Form, long but compact; well filled in loin and leg .....   |                  | 10             |
| 3. Quality, flesh deep, even, firm, fine grained, not stringy; bone dense; fat evenly distributed, free from rolls ..... |                  | 20             |
| 4. Kidney fat, firm, white, brittle, in proportion to covering .....   |                  | 5              |
| Body:  |                  |                |
| 5. Neck, short, neat .....   |                  | 2              |
| 6. Plate, light, not coarse .....  |                  | 3              |
| 7. Shoulders, compact, well covered .....  |                  | 5              |
| 8. Rack, muscle deep, firm, even, carried well down; fat evenly distributed, medium thick .....                          |                  | 15             |
| 9. Loin, muscle firm, abundant; fat medium thick .....   |                  | 15             |
| 10. Leg, plump, thick, fleshed well down .....   |                  | 20             |
| Total .....  |                  | 100            |

## BLOCK RECORD.

|                      |                         |
|----------------------|-------------------------|
| Shop No .....        | Per cent yield .....    |
| Age .....            | Date .....              |
| Sex .....            | Cut by .....            |
| Live weight .....    | Left half weight .....  |
| Dressed weight ..... | Right half weight ..... |

|                       | Gross weight. | Marketable meat (re-tail). | Bone and trimmings. | Gross. | Marketable meat (re-tail). | Bone and trimmings. | Total gross weight. | Total marketable meat weight. | Per cent marketable meat to live weight. | Per cent marketable meat to dressed weight. |
|-----------------------|---------------|----------------------------|---------------------|--------|----------------------------|---------------------|---------------------|-------------------------------|--|---|
|                       |               |                            |                     |        |                            |                     |                     |                               |  |   |
| Hind leg .....        | 1             |                            |                     |        |                            |                     |                     |                               |  |   |
| Rack and loin .....   | 2             |                            |                     |        |                            |                     |                     |                               |  |   |
| Kidney fat .....      | 3             |                            |                     |        |                            |                     |                     |                               |  |   |
| Plate and flank ..... | 4             |                            |                     |        |                            |                     |                     |                               |  |   |
| Front leg .....       | 5             |                            |                     |        |                            |                     |                     |                               |  |   |
| Shoulder .....        | 6             |                            |                     |        |                            |                     |                     |                               |  |   |
| Neck .....            | 7             |                            |                     |        |                            |                     |                     |                               |  |   |

Grand total weight and per cent of marketable meat to weight of carcass .....

Marketable meat in cuts 1 and 2 .....

Marketable meat in cuts 4, 5, 6, and 7 .....

## ANIMAL MECHANICS.

## HORSES.

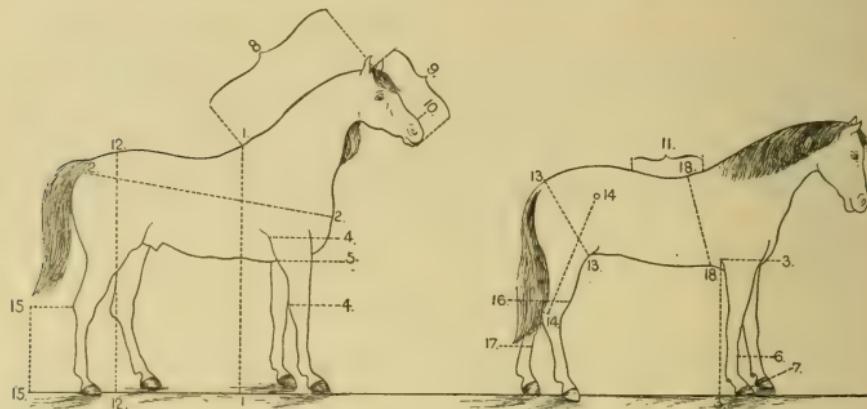
New Hampshire College of Agriculture and the Mechanic Arts.<sup>a</sup>

FIG. 10.—Chart for study of proportions of the horse.

| Fig.— |    | Inches.  |
|-------|----|--|
| 1     | 1  | 1  |
| 2     | 2  | Height at withers .....                                      |
| 2     | 3  | Length from point of shoulder to quarter .....               |
| 2     | 3  | From lowest point of chest to the ground .....               |
| 2     | 3  | From the point of elbow to the ground .....                  |
| 1     | 4  | From the point of elbow to trapezium .....                   |
|       |    | From trapezium to ground .....                               |
| 1     | 5  | Circumference of the arm .....                               |
| 2     | 6  | Circumference of cannon in center .....                      |
| 2     | 7  | Circumference of foot at coronet .....                       |
| 1     | 8  | From point of withers to occiput .....                       |
| 1     | 9  | Length of head .....   |
| 1     | 10 | Width of forehead .....                                      |
| 2     | 11 | Circumference of muzzle at angle of mouth .....              |
|       |    | Width of chest from outside of shoulder points .....         |
|       |    | Length of back from point of withers to point of croup ..... |
|       |    | Width across hips .....                                      |
| 1     | 12 | Height to highest point of croup .....                       |
| 2     | 13 | From center of dock to anterior point of patella .....       |
| 2     | 14 | From point of hock to point of hip .....                     |
| 2     | 15 | From point of hock to ground .....                           |
| 2     | 16 | Circumference of thigh .....                                 |
| 2     | 17 | Circumference of shank in the center .....                   |
| 2     | 18 | Circumference of body at the girth .....                     |
|       |    | Length of croup .....  |
|       |    | Height of crest of occiput from ground .....                 |
|       |    | Dorsal angle of scapula to hip .....                         |
|       |    | From angle of lower jaw to forehead above eye .....          |
|       |    | From throat to superior border of neck .....                 |

<sup>a</sup> Also used by North Carolina College of Agriculture and Mechanic Arts.

## Cornell University.

|   |  | Inches. |
|---|--|---------|
| Height at withers.....                                |  |         |
| Height to highest point of croup.....                 |  |         |
| Length from point of shoulder to quarter.....         |  |         |
| From lowest point of chest to the ground.....         |  |         |
| From the point of elbow to the ground.....            |  |         |
| From the point of elbow to trapezium.....             |  |         |
| From trapezium to ground.....                         |  |         |
| Circumference of the arm.....                         |  |         |
| Circumference of cannon in center.....                |  |         |
| Circumference of foot at coronet.....                 |  |         |
| Length of head.....                                   |  |         |
| Width of forehead.....                                |  |         |
| Circumference of muzzle at angle of mouth.....        |  |         |
| Width of chest from outside of shoulder points.....   |  |         |
| Width across hips.....                                |  |         |
| From center of dock to anterior point of patella..... |  |         |
| From point of hock to point of hip.....               |  |         |
| From point of hock to ground.....                     |  |         |
| Circumference of thigh.....                           |  |         |
| Circumference of shank in the center.....             |  |         |
| Circumference of body at the girth.....               |  |         |
| Length of croup.....                                  |  |         |
| Height of crest of occiput from ground.....           |  |         |
| Dorsal angle of scapula to hip.....                   |  |         |
| From angle of lower jaw to forehead above eye.....    |  |         |
| From throat to superior border of neck.....           |  |         |

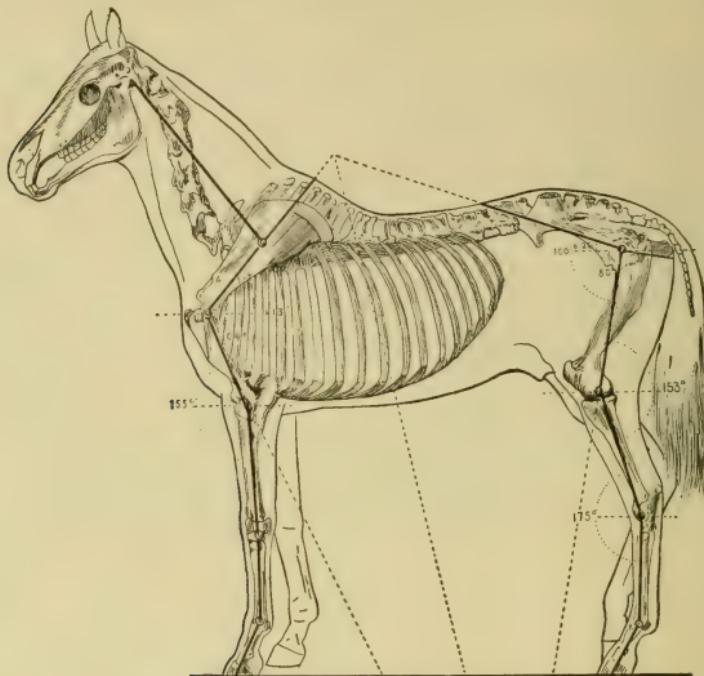
The College of Agriculture and Domestic Science, Ohio State University.<sup>a</sup>

FIG. 11.—Chart for study of articular angles of the horse.

|  | Degrees. |
|--|----------|
| Inclination upon the horizon:              |          |
| Scapular .....                             |          |
| Humeral .....                              |          |
| Iliac .....                                |          |
| Femoral .....                              |          |
| Tibial .....                               |          |
| Cephalic .....                             |          |
| Cervical .....                             |          |
| Articular angles in stations:              |          |
| Scapulo-humeral .....                      |          |
| Humero-radial .....                        |          |
| Metacarpo-phalangal .....                  |          |
| Ilio-femoral .....                         |          |
| Femoro-tibial .....                        |          |
| Tibio-metatarsal .....                     |          |
| Metatarso-phalangal .....                  |          |
| Cervico-cephalic .....                     |          |
| Attitudes in station:                      |          |
| Anterior members viewed in profile .....   |          |
| Anterior members viewed in front .....     |          |
| Posterior members viewed in profile .....  |          |
| Posterior members viewed from behind ..... |          |

<sup>a</sup> Also used by Cornell University.

## CATTLE.

College of Agriculture and Mechanic Arts of the University of Missouri.

|   |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Date.....   |  |  |  |  |  |  |
| Name of animal.....   |  |  |  |  |  |  |
| Breed.....  |  |  |  |  |  |  |
| Age.....  |  |  |  |  |  |  |
| Condition.....  |  |  |  |  |  |  |
| Sex.....  |  |  |  |  |  |  |
| Color and markings.....   |  |  |  |  |  |  |
| Weight.....   |  |  |  |  |  |  |
| Height at withers.....  |  |  |  |  |  |  |
| Height at highest point of croup.....   |  |  |  |  |  |  |
| Height of foreflank.....  |  |  |  |  |  |  |
| Length of foreleg from elbow to ground.....   |  |  |  |  |  |  |
| Smallest circumference of shin bone.....  |  |  |  |  |  |  |
| Height of hind flank.....   |  |  |  |  |  |  |
| Length from point of hock to ground.....  |  |  |  |  |  |  |
| Length from base of horns to withers.....   |  |  |  |  |  |  |
| From highest point of withers to a line between the hips.....                                   |  |  |  |  |  |  |
| From point of shoulder to point of hips.....  |  |  |  |  |  |  |
| From a line between hips to the tail.....   |  |  |  |  |  |  |
| Length of a perpendicular line from withers to a point opposite the point of the shoulders..... |  |  |  |  |  |  |
| Depth of chest.....   |  |  |  |  |  |  |
| Width of chest.....   |  |  |  |  |  |  |
| Girth of throatlatch.....   |  |  |  |  |  |  |
| Width of jaws (measure from outside).....   |  |  |  |  |  |  |
| Length from poll to point of muzzle.....  |  |  |  |  |  |  |
| Length of face from line between eyes to point of muzzle.....                                   |  |  |  |  |  |  |
| Width of forehead.....  |  |  |  |  |  |  |
| Largest circumference of muzzle.....  |  |  |  |  |  |  |
| Heart girth.....  |  |  |  |  |  |  |
| Girth of middle of paunch.....  |  |  |  |  |  |  |
| Girth at the flank.....   |  |  |  |  |  |  |
| From point of hip to ischium.....   |  |  |  |  |  |  |
| From point of hips to last ribs.....  |  |  |  |  |  |  |
| Width of hips.....  |  |  |  |  |  |  |
| Width of pin bones.....   |  |  |  |  |  |  |
| From point of hip to point of hock.....   |  |  |  |  |  |  |
| Weight of fore quarters.....  |  |  |  |  |  |  |
| Weight of hind quarters.....  |  |  |  |  |  |  |

The College of Agriculture and Domestic Science, Ohio State University.

|   | Inches. |
|---|---------|
| Height at the withers.....  |         |
| Height at highest point of croup.....   |         |
| Height of foreflank.....  |         |
| Height of flank.....  |         |
| Length from the base of horns to the withers.....   |         |
| From the highest point of withers to a line between the hips.....                               |         |
| From a line between hips to the tail.....   |         |
| Length of a perpendicular line from withers to a point opposite the point of the shoulders..... |         |
| Girth of throatlatch.....   |         |
| Heart girth.....  |         |
| Girth of middle of paunch.....  |         |
| Girth at the flank.....   |         |
| From point of hip to ischium.....   |         |
| From point of hips to last rib.....   |         |
| Width of hips.....  |         |
| From point of hip to point of hock.....   |         |
| Weight of forequarters.....   |         |
| Weight of hind quarters.....  |         |

## MARKET REPORTS.

## BEEF CATTLE.

## College of Agriculture of the University of Illinois.

| Classes.                  | Grades.                               | Prices per hundredweight. |           |             |            |          |
|---------------------------|---------------------------------------|---------------------------|-----------|-------------|------------|----------|
|                           |                                       | Mon-day.                  | Tues-day. | Wednes-day. | Thurs-day. | Fri-day. |
| Beef cattle.....          | Prime steers.....                     |                           |           |             |            |          |
| Remarks:                  | Choice steers.....                    |                           |           |             |            |          |
|                           | Good steers.....                      |                           |           |             |            |          |
|                           | Medium steers.....                    |                           |           |             |            |          |
|                           | Common rough steers.....              |                           |           |             |            |          |
| Butcher stock.....        | Prime heifers.....                    |                           |           |             |            |          |
| Remarks:                  | Choice heifers.....                   |                           |           |             |            |          |
|                           | Good heifers.....                     |                           |           |             |            |          |
|                           | Medium heifers.....                   |                           |           |             |            |          |
|                           | Prime cows.....                       |                           |           |             |            |          |
|                           | Choice cows.....                      |                           |           |             |            |          |
|                           | Good cows.....                        |                           |           |             |            |          |
|                           | Medium cows.....                      |                           |           |             |            |          |
|                           | Common rough steers.....              |                           |           |             |            |          |
|                           | Choice bulls.....                     |                           |           |             |            |          |
|                           | Good bulls.....                       |                           |           |             |            |          |
|                           | Medium bulls.....                     |                           |           |             |            |          |
| Cutters and canners.....  | Good cutters.....                     |                           |           |             |            |          |
| Remarks:                  | Medium cutters.....                   |                           |           |             |            |          |
|                           | Common cutters and good canners.....  |                           |           |             |            |          |
|                           | Medium canners.....                   |                           |           |             |            |          |
|                           | Inferior canners.....                 |                           |           |             |            |          |
|                           | Bologna bulls.....                    |                           |           |             |            |          |
| Stockers and feeders..... | Fancy selected feeders.....           |                           |           |             |            |          |
| Remarks:                  | Choice feeders.....                   |                           |           |             |            |          |
|                           | Good feeders.....                     |                           |           |             |            |          |
|                           | Medium feeders.....                   |                           |           |             |            |          |
|                           | Common feeders.....                   |                           |           |             |            |          |
|                           | Inferior feeders.....                 |                           |           |             |            |          |
|                           | Feeder bulls.....                     |                           |           |             |            |          |
|                           | Fancy selected yearling stockers..... |                           |           |             |            |          |
|                           | Choice yearling stockers.....         |                           |           |             |            |          |
|                           | Good yearling stockers.....           |                           |           |             |            |          |
|                           | Medium yearling stockers.....         |                           |           |             |            |          |
|                           | Common yearling stockers.....         |                           |           |             |            |          |
|                           | Inferior yearling stockers.....       |                           |           |             |            |          |
|                           | Good stock heifers.....               |                           |           |             |            |          |
|                           | Medium stock heifers.....             |                           |           |             |            |          |
|                           | Common stock heifers.....             |                           |           |             |            |          |
| Veal calves.....          | Choice.....                           |                           |           |             |            |          |
| Remarks:                  | Good.....                             |                           |           |             |            |          |
|                           | Medium.....                           |                           |           |             |            |          |
|                           | Common.....                           |                           |           |             |            |          |

## EFFICIENCY OF MILKING.

The Connecticut Agricultural College. <sup>a</sup>

|   |     |
|---|-----|
| A. 1. Regularity of milking .....                 | 3   |
| 2. Rapidity of milking .....                      | 12  |
| 3. Thoroughness of milking .....                  | 12  |
| 4. Quietness while milking .....                  | 3   |
| B. 1. Amount of milk produced by cows.....        | 15  |
| 2. Amount of fat produced by cows .....           | 3   |
| 3. Accuracy of weighing .....                     | 1   |
| 4. Accuracy of recording .....                    | 1   |
| 5. Accuracy of sampling and Babcock testing ..... | 10  |
| C. Sanitary milking:                              |     |
| 1. Concerning the milker—                         |     |
| (a) Milker should wear a clean white suit .....   | 2   |
| (b) Milker must have clean hands .....            | 2   |
| (c) Milking with dry hands .....                  | 2   |
| 2. Concerning the cow—                            |     |
| (a) Preparation of the cow for milking .....      | 8   |
| (b) Prevention of contamination while milking—    |     |
| Wipe flank and udder of cow with damp cloth ..... | 2   |
| Reject fore milk .....                            | 2   |
| Use of covered milk pail .....                    | 2   |
| 3. Determination of germ content of milk—         |     |
| (a) Number of germs .....                         | 20  |
| Total.....  | 100 |

<sup>a</sup>An. Rpt., Storrs Expt. Sta., 1902-03.

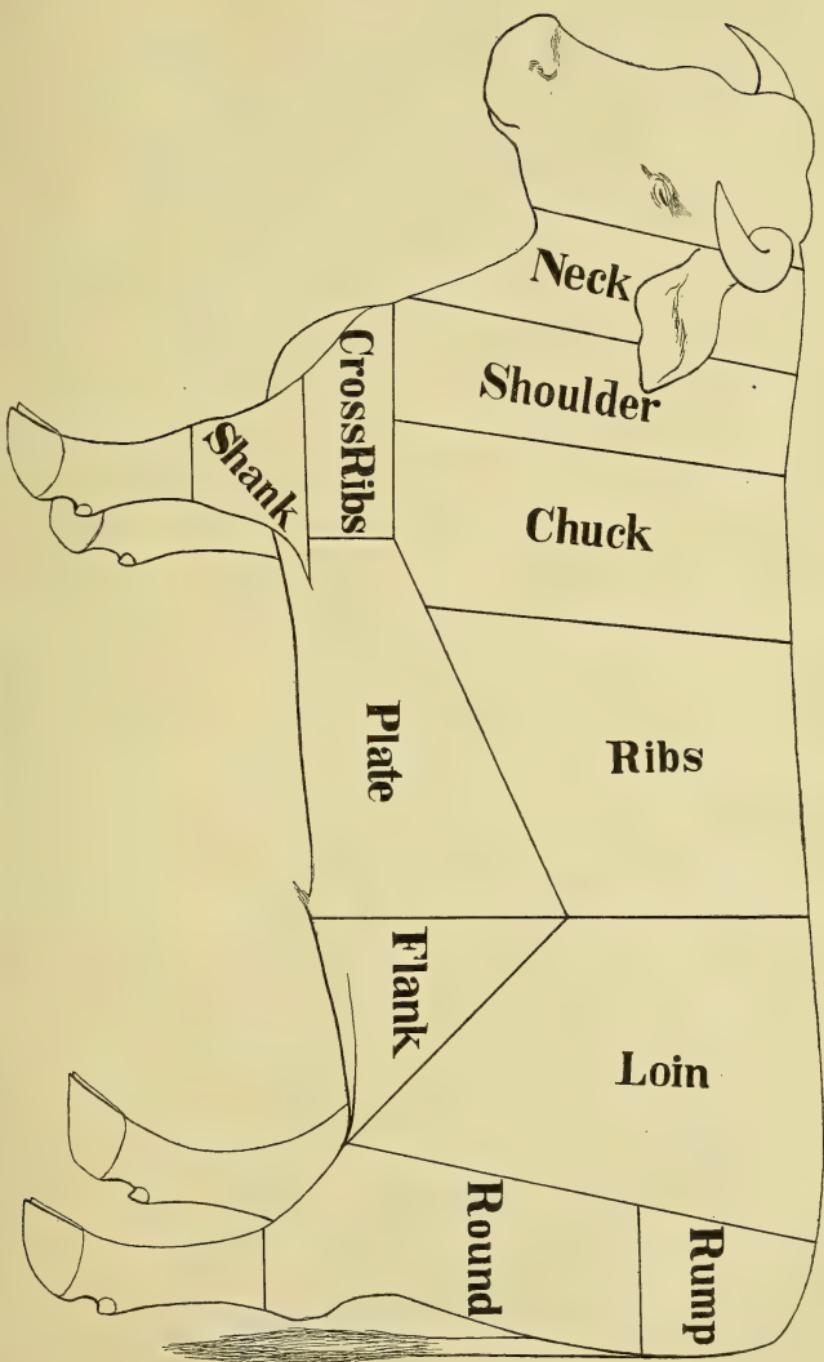


DIAGRAM OF STEER, SHOWING MINNESOTA METHOD OF CUTTING CARCASS.



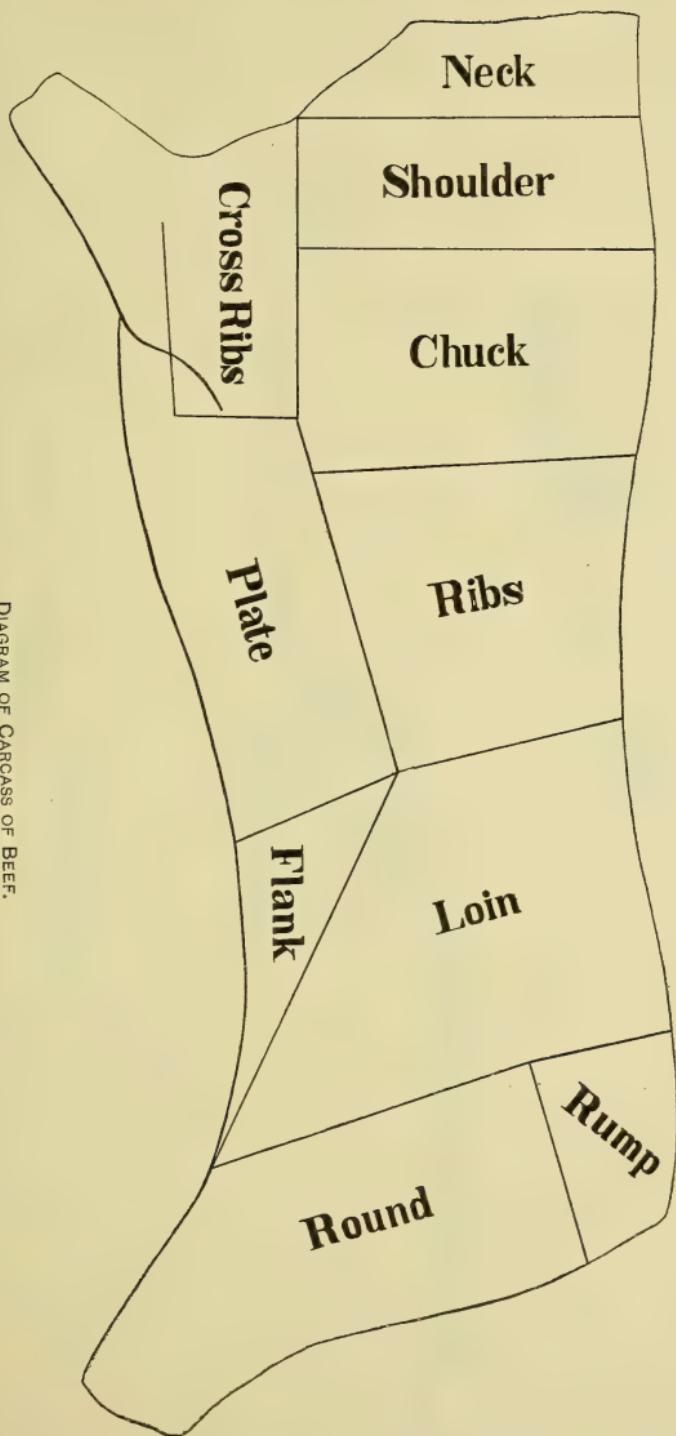


DIAGRAM OF CARCASS OF BEEF.



Fig. 1.—SHOULDER CUT.

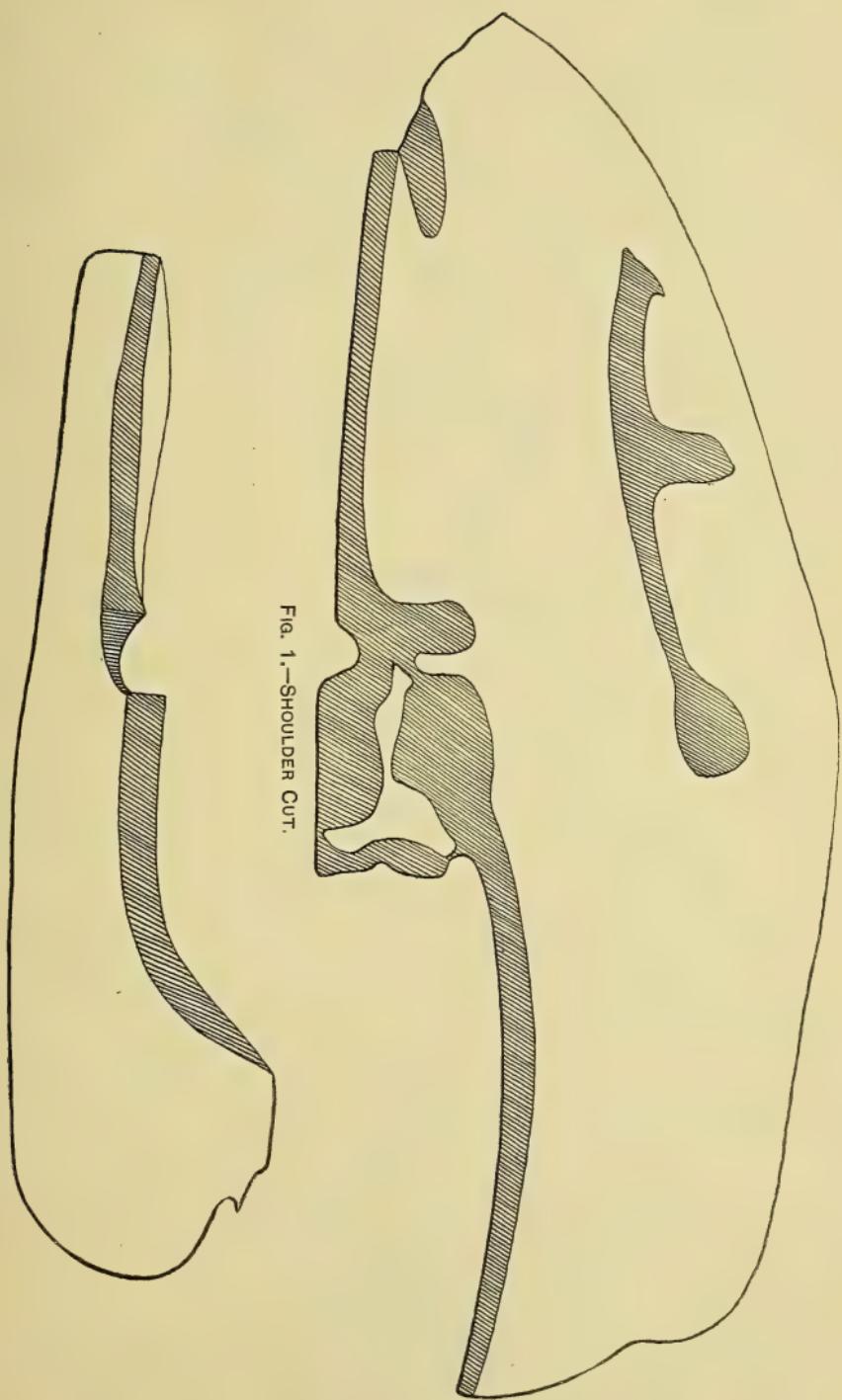


Fig. 2.—FOLDED ROAST.



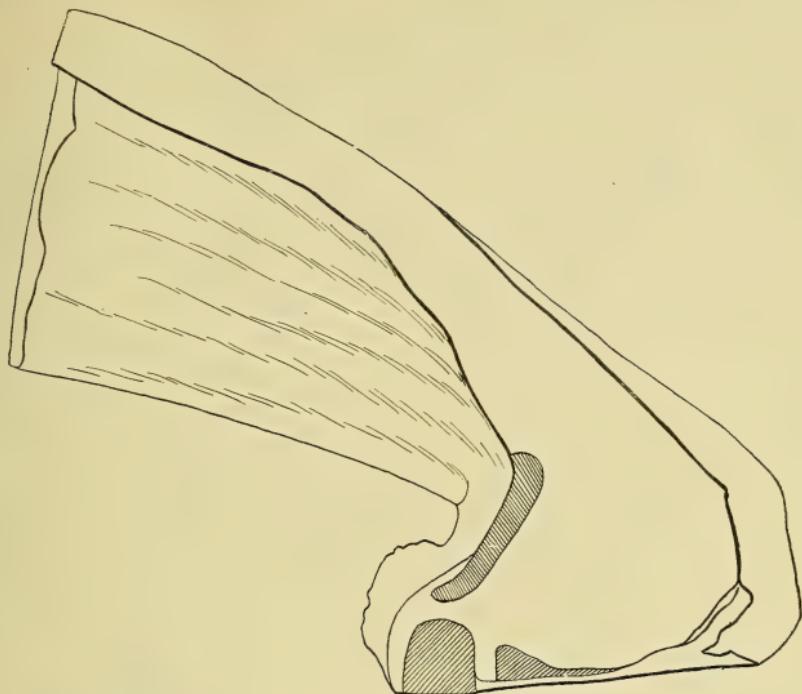


FIG. 1.—SMALL END RIBS.

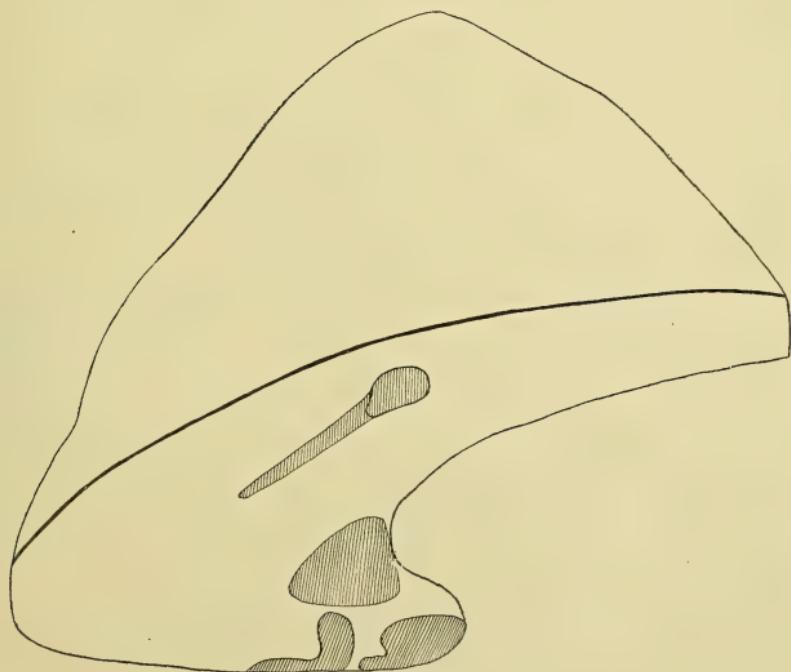


FIG. 2.—LARGE END RIBS.



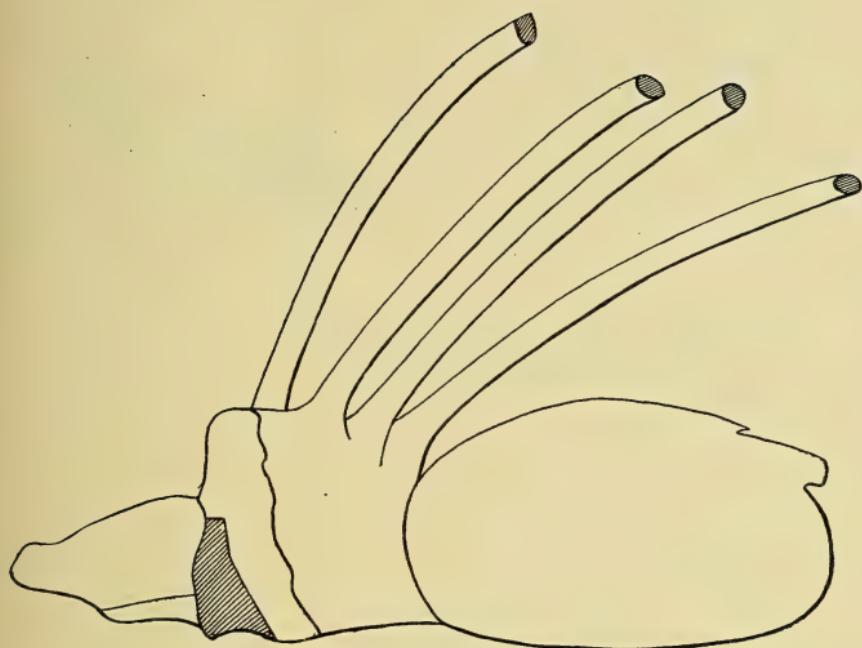


FIG. 1.—ROLLED ROAST.

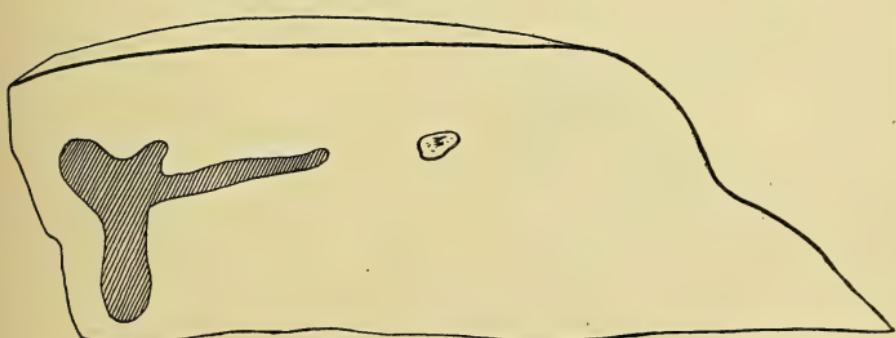


FIG. 2.—PORTERHOUSE STEAK.



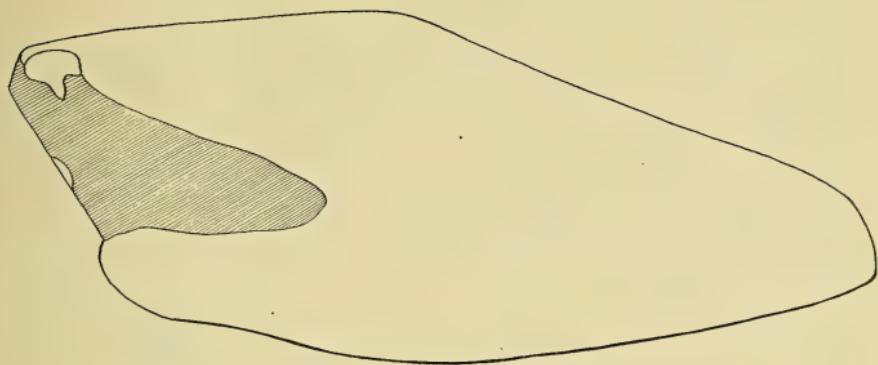


FIG. 1.—WEDGE-BONE SIRLOIN.

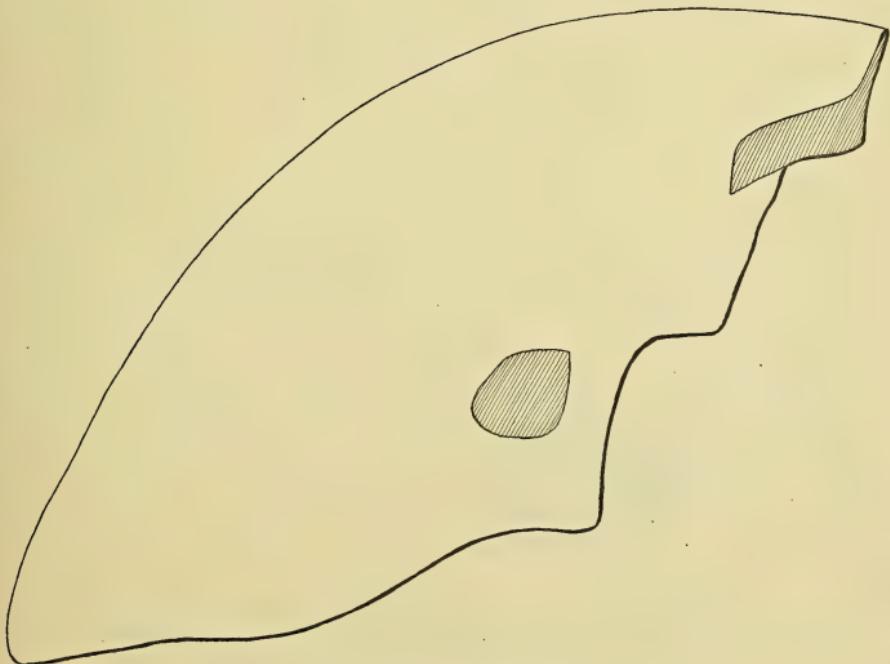


FIG. 2.—FIRST-CUT SIRLOIN.



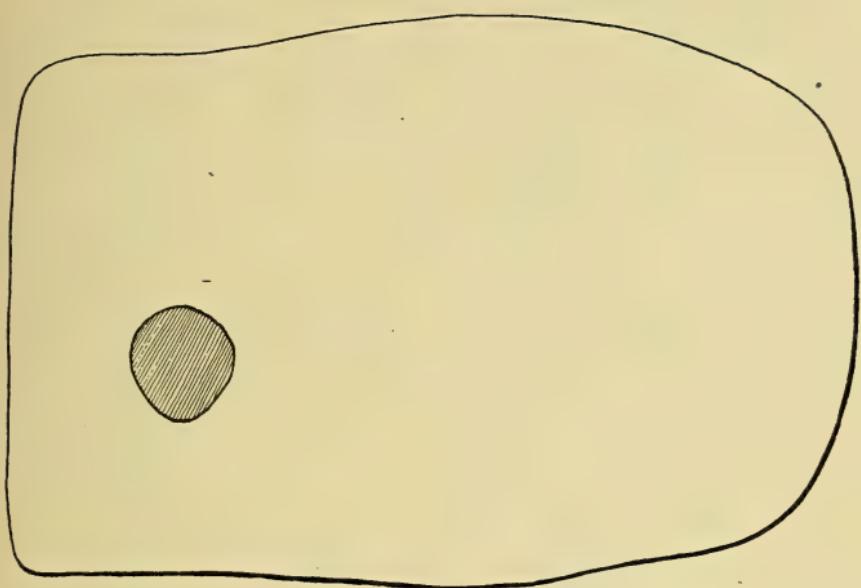


FIG. 1.—FIRST CUT OF ROUND.

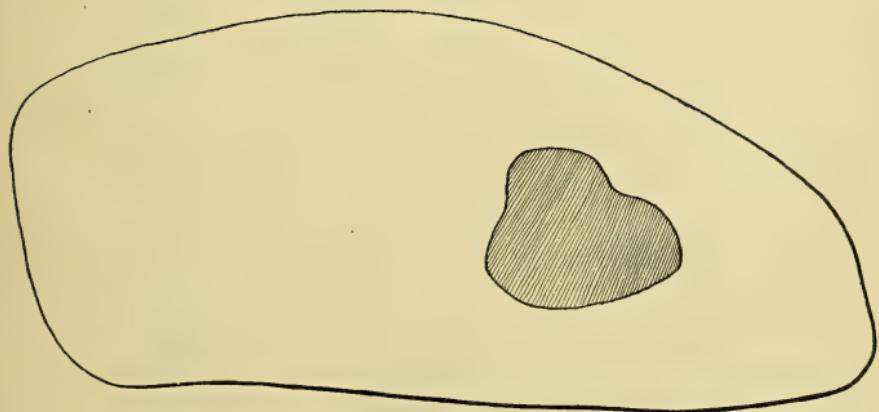
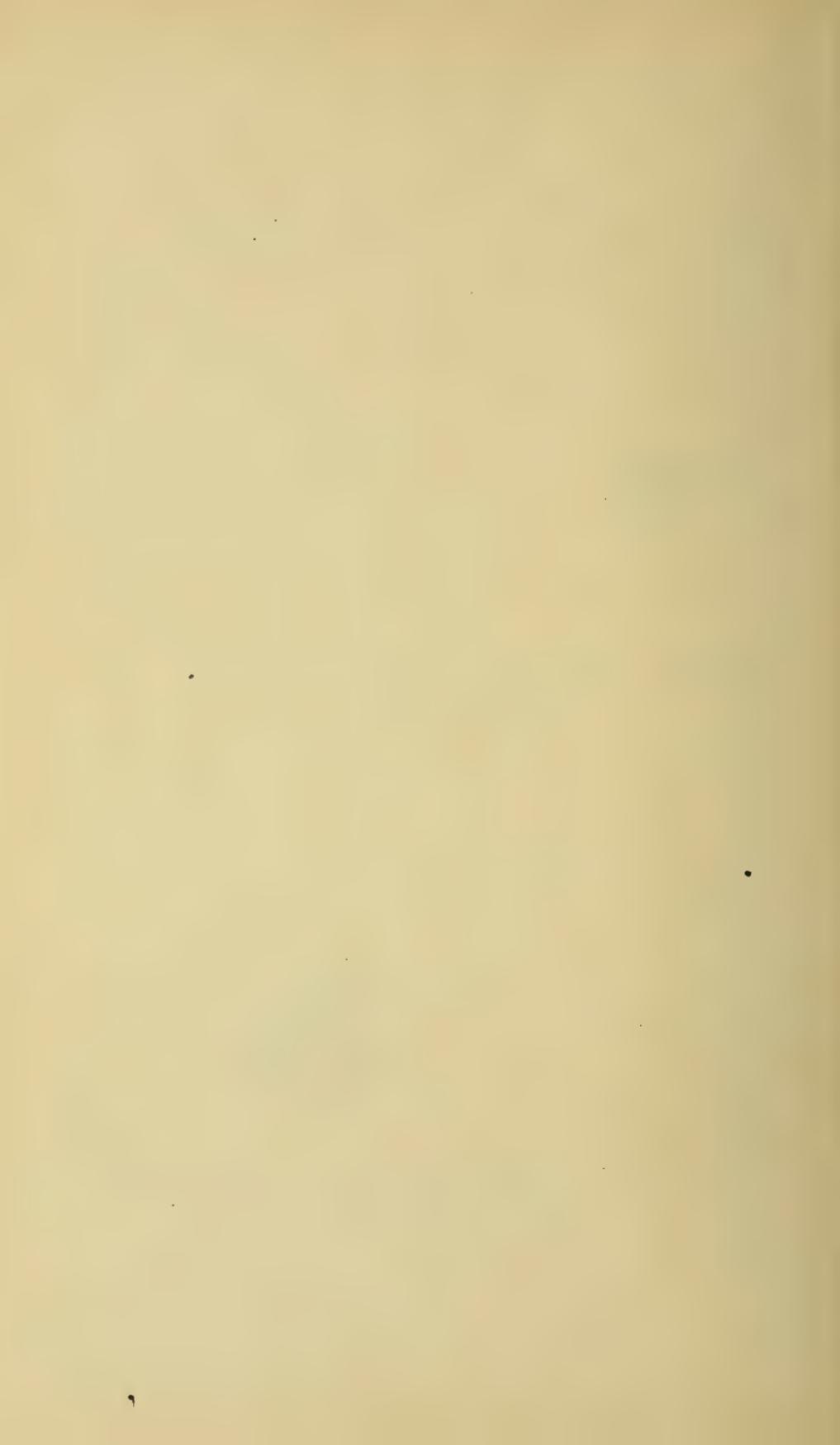


FIG. 2.—LAST CUT OF ROUND.



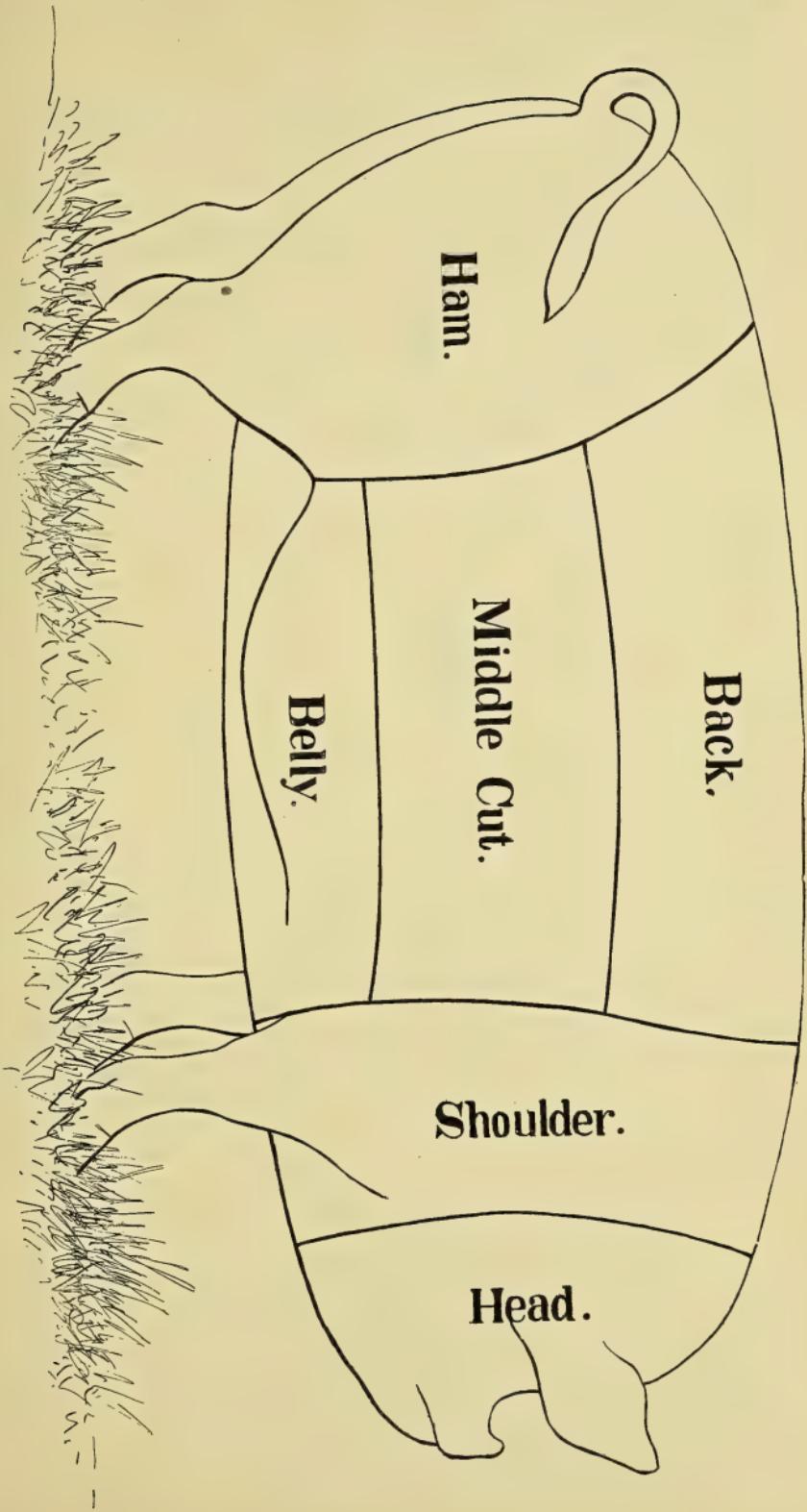


DIAGRAM OF HOG SHOWING MINNESOTA METHOD OF CUTTING CARCASS.

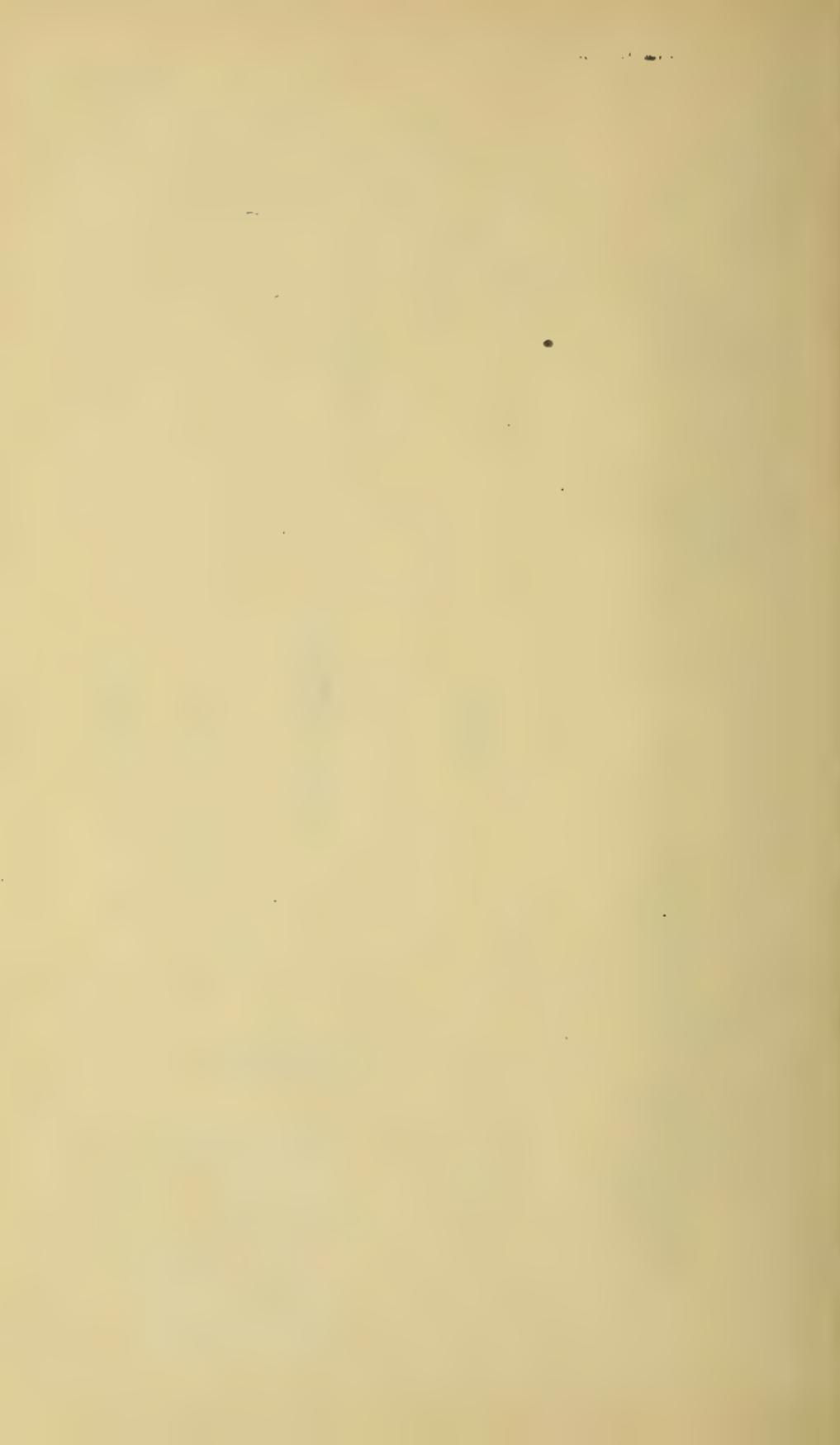
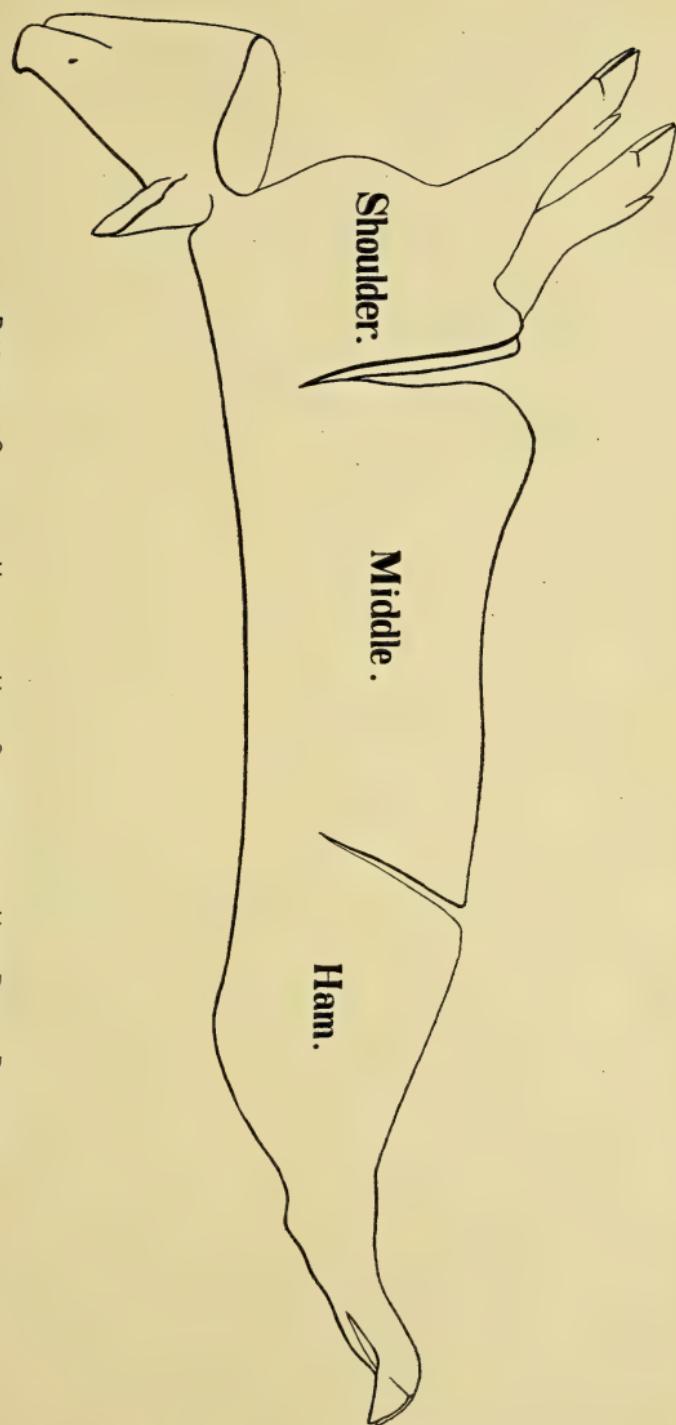


DIAGRAM OF CARCASS OF HOG, WITH HEAD, SHOULDERS, AND HAMS PARTLY DETACHED.





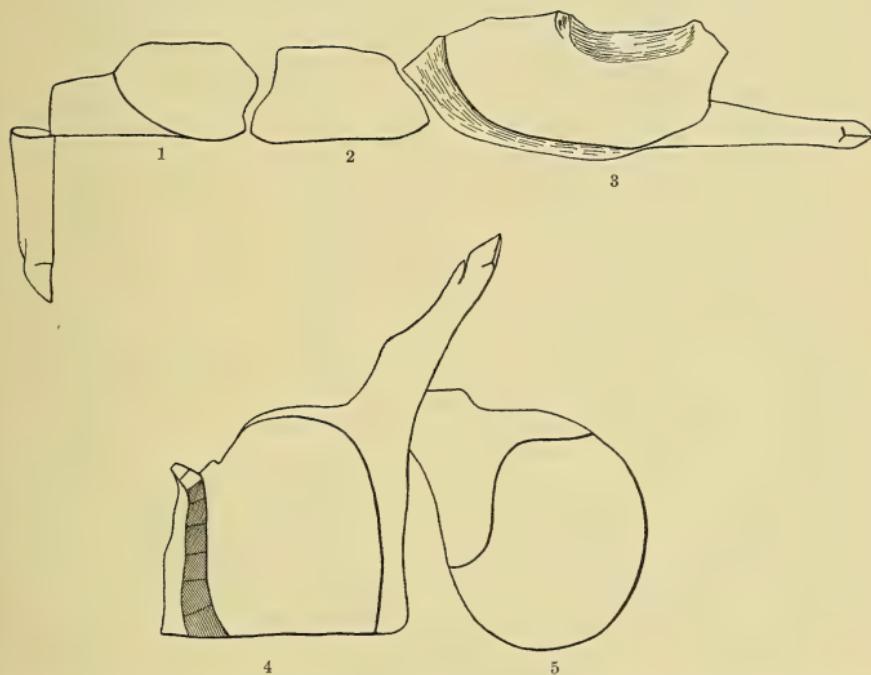


FIG. 1.—CALIFORNIA HAM. FIG. 2.—SHOULDER BUTT. FIG. 3.—SHOULDER, UNTRIMMED.  
FIG. 4.—HAM, UNTRIMMED. FIG. 5.—HAM, TRIMMED.



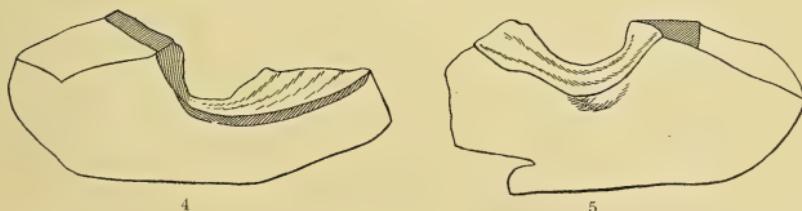
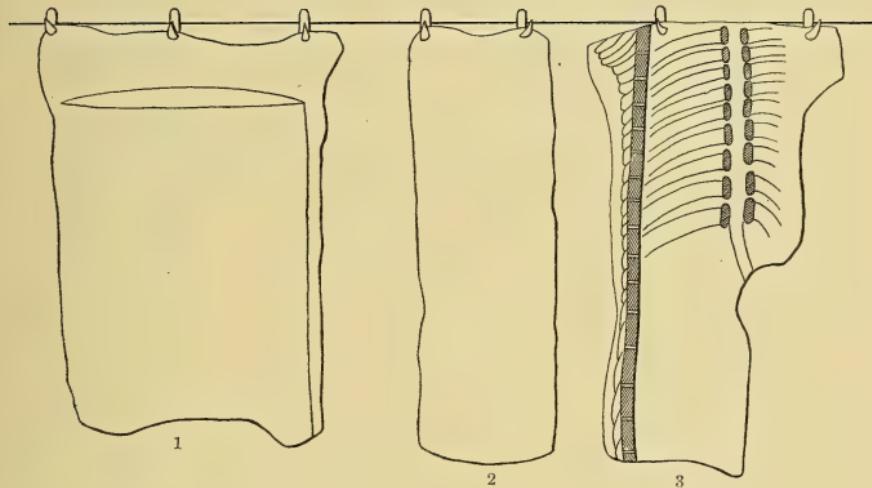


FIG. 1.—BACON STRIP. FIG. 2.—FAT BACK. FIG. 3.—SPARERIBS AND LOIN.  
FIG. 4.—LARGE END OF MIDDLE. FIG. 5.—SMALL END OF MIDDLE.

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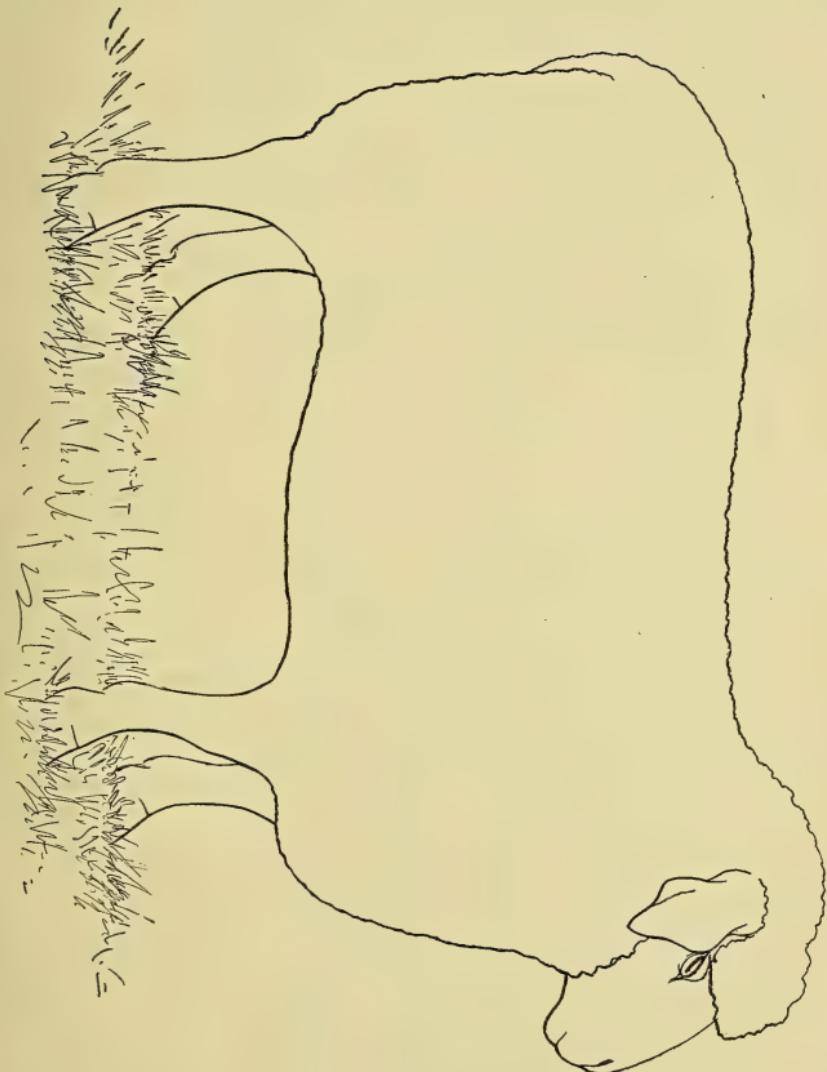


DIAGRAM OF SHEEP (MINNESOTA CHART).



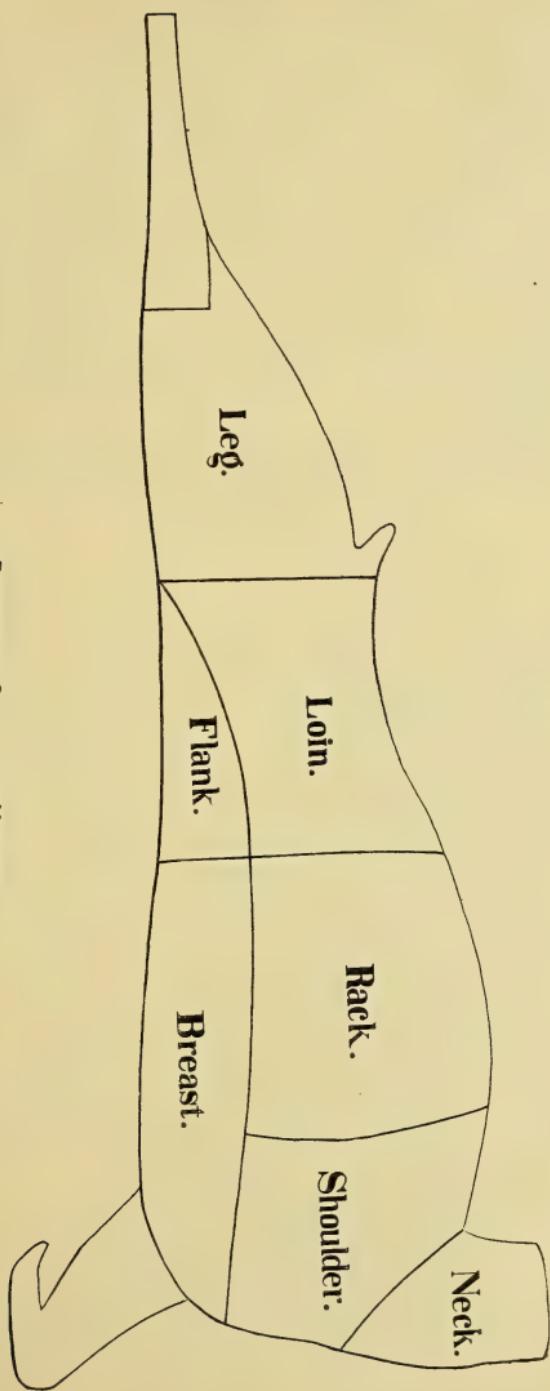


DIAGRAM OF CARCASS OF MUTTON.



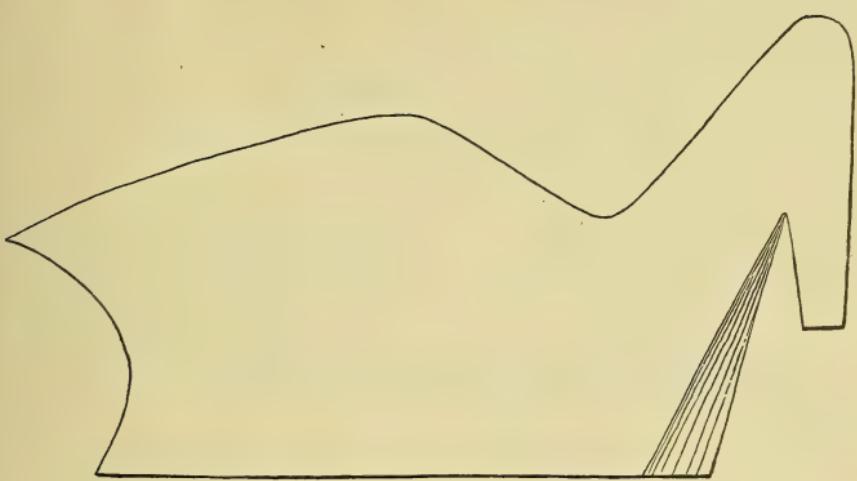


FIG. 1.—SHOULDER, UNTRIMMED.

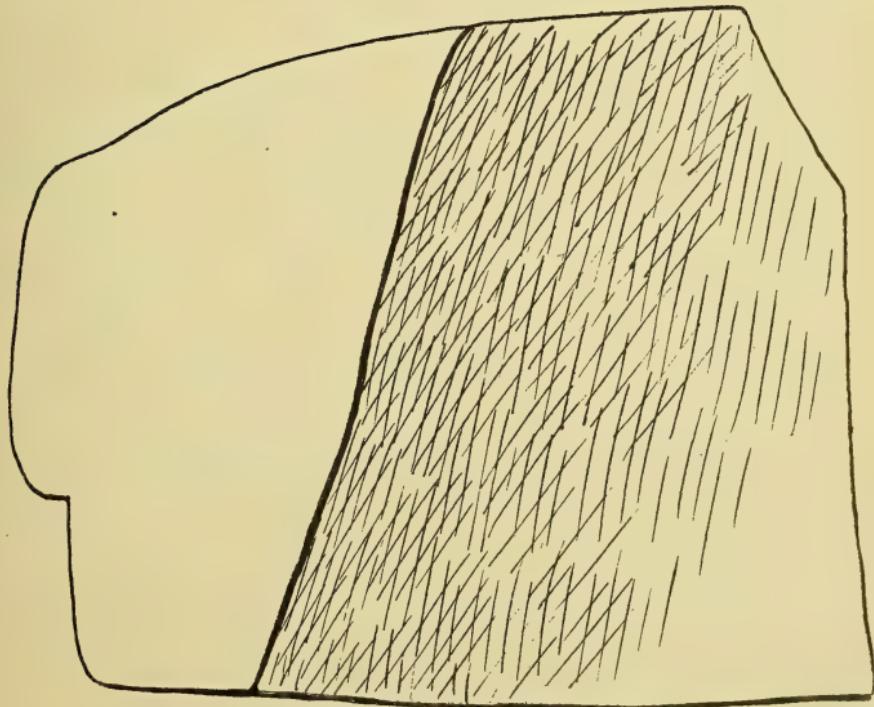


FIG. 2.—SHOULDER, TRIMMED.



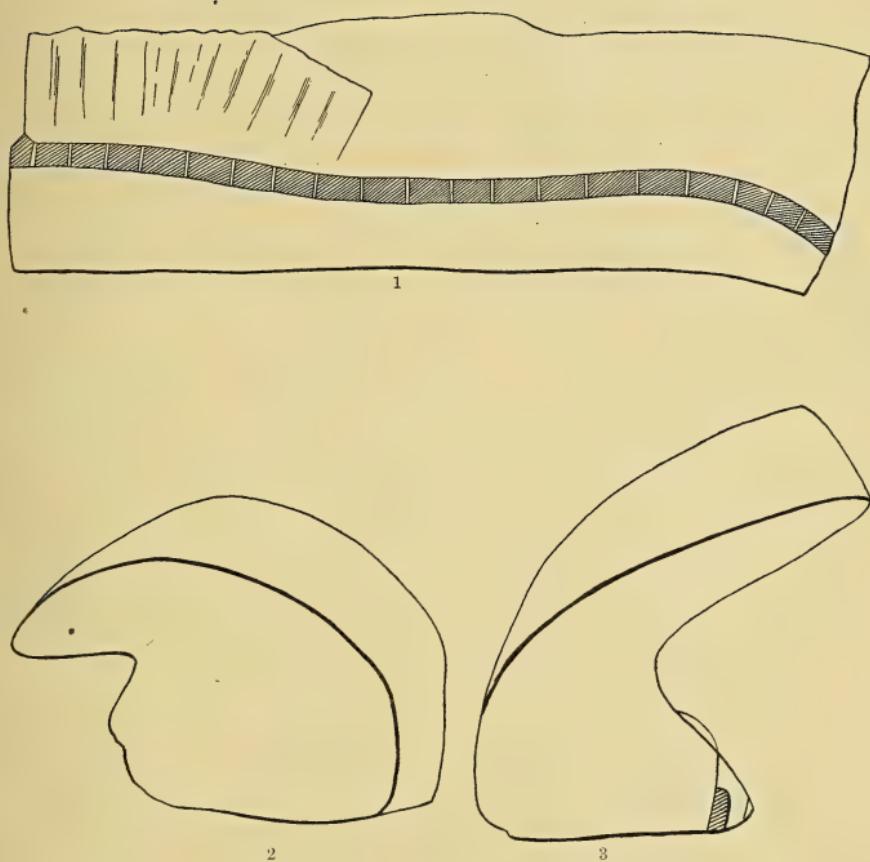
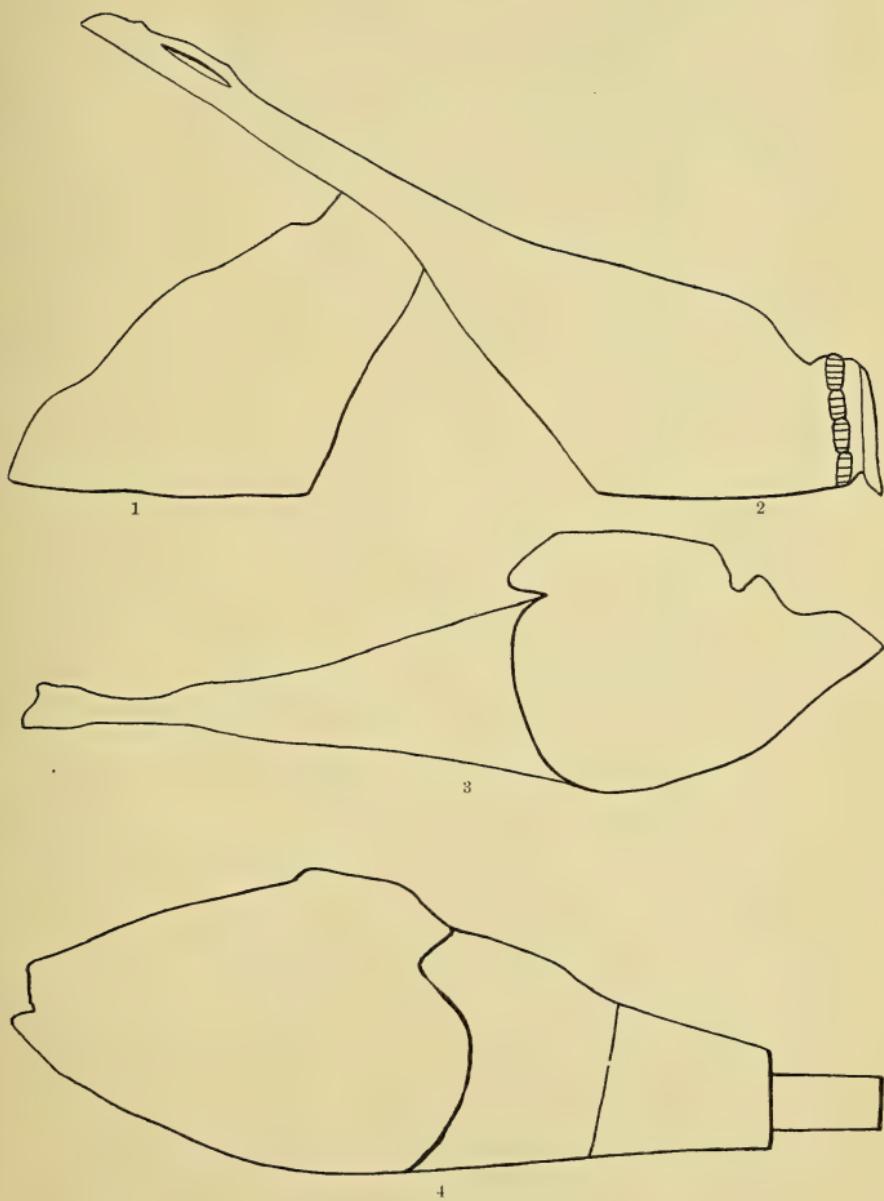


FIG. 1.—LOIN AND RACK. FIG. 2.—LOIN CHOPS. FIG. 3.—RIB CHOPS.





FIGS. 1 AND 4.—LEG, TRIMMED. FIGS. 2 AND 3.—LEG, UNTRIMMED.



2

3

4

5

















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